

FINAL REPORT

Contract No. DAMD17-89-C-9050
A Medical Research and Evaluation Facility (MREF) and Studies
Supporting the Medical Chemical Defense Program

on

TASK 89-09
A COMPARISON BETWEEN THE RHESUS MONKEY AND
THE HUMAN ON THE EFFECT OF ATROPINE
ON THE ELECTROENCEPHALOGRAM

VOLUME II

PRELIMINARY STATISTICAL ANALYSIS OF
SPECTRAL EEG WAVEFORMS IN RHESUS MONKEYS
EXPOSED TO ATROPINE

November, 1994

by

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Statistical models were developed to analyze the effects of atropine on brain activity. Brain activity was measured from the spectral EEG waveforms as a function of the percent power in the first five frequency bands. The statistical analyses indicated that:

1. High and medium doses of atropine were associated with a statistically significant increase in percent power in the first frequency band, with an decrease in percent power in the fifth frequency band, which persisted through the 600 minute time point.
2. The low atropine dose was associated with a statistically significant increase in percent power in the first frequency band, and a decrease in percent power in the fifth frequency band, at the 30 and 90 minute time points. Following the low atropine dose, there were no significant measurable effects of atropine on EEG waveforms at the 300 and 600 minute time points.
3. There were no significant measurable trends in the EEG waveforms for monkeys injected with the saline control.
4. The effect of atropine on brain activity (as measured by EEG) appears to diminish with respect to time since dosing.

A draft report of the experimental results was reviewed by Dr. John R. Hughes, Director of the Department of Neurophysiology at the University of Illinois, Chicago Medical Center. Dr. Hughes concluded that a 15-fold increase in sensitivity in the measurement of atropine effects was attributable to the use of computerized EEG analyses. Dr. Hughes believes that high percent power in the first frequency band, and corresponding decrease in percent power in the fifth frequency band, are associated with a decrease in brain activity, and vice versa. Based on extrapolation of these results from monkeys, Dr. Hughes concluded that a reduction in brain activity in man could appear at an atropine dose of 0.003 mg/kg. This extrapolation is comparable to previously reported data which demonstrated divided attention in man at an atropine dose of 0.007 mg/kg. The slowing in brain activity predicted to occur at this dose range of atropine (0.003 to 0.007 mg/kg) is not expected to seriously impair the soldier. Based on his review of the literature, Dr. Hughes believes that an atropine dose of 0.012 mg/kg in man would produce a substantially larger reduction in brain activity, associated with an increase in coordination errors, and could significantly impair the ability of a soldier to perform complex tasks. Furthermore, Dr. Hughes concluded from his review of the literature that an atropine dose of 0.028 mg/kg could affect helicopter flight performance in some individuals, and an atropine dose of 0.040 mg/kg would likely place a soldier on the battlefield in jeopardy.

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APPENDIX A

Descriptive Statistics for Spectral EEG Waveforms for Animals

038D, 122X, 4E5, D275, D345, and E109

Animal 038D

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 038D DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 33.13 | 8.43 | 2.67 | 10 | 21.97 | 11.23 | 3.55 | 10 | 25.08 | 11.91 | 3.77 | 3 | 26.73 | 5.76 | 3.32 |
| | 2 | 10 | 20.28 | 7.55 | 2.39 | 10 | 14.85 | 4.81 | 1.52 | 10 | 16.86 | 6.78 | 2.14 | 3 | 17.33 | 2.75 | 1.59 |
| | 3 | 10 | 18.84 | 6.46 | 2.04 | 10 | 21.92 | 12.91 | 4.08 | 10 | 19.26 | 11.27 | 3.56 | 3 | 20.00 | 1.67 | 0.96 |
| | 4 | 10 | 11.67 | 2.77 | 0.88 | 10 | 14.25 | 3.14 | 0.99 | 10 | 12.46 | 3.63 | 1.15 | 3 | 12.79 | 1.32 | 0.76 |
| | 5 | 10 | 16.08 | 5.97 | 1.89 | 10 | 27.02 | 6.09 | 1.93 | 10 | 26.34 | 9.25 | 2.92 | 3 | 23.15 | 6.13 | 3.54 |
| 30-Minute | 1 | 10 | 24.43 | 13.56 | 4.29 | 10 | 30.38 | 17.21 | 5.44 | 10 | 28.94 | 15.11 | 4.78 | 3 | 27.92 | 3.10 | 1.79 |
| | 2 | 10 | 17.96 | 9.83 | 3.11 | 10 | 19.56 | 10.01 | 3.17 | 10 | 23.59 | 9.17 | 2.90 | 3 | 20.37 | 2.90 | 1.67 |
| | 3 | 10 | 22.94 | 11.83 | 3.74 | 10 | 15.31 | 6.76 | 2.14 | 10 | 20.07 | 8.11 | 2.56 | 3 | 19.44 | 3.85 | 2.22 |
| | 4 | 10 | 15.36 | 4.26 | 1.35 | 10 | 13.61 | 5.64 | 1.78 | 10 | 12.74 | 4.08 | 1.29 | 3 | 13.90 | 1.33 | 0.77 |
| | 5 | 10 | 19.30 | 6.24 | 1.97 | 10 | 21.13 | 9.41 | 2.98 | 10 | 14.66 | 11.18 | 3.53 | 3 | 18.36 | 3.33 | 1.92 |
| 90-Minute | 1 | 10 | 16.12 | 6.46 | 2.04 | 10 | 23.94 | 10.07 | 3.19 | 10 | 22.25 | 10.55 | 3.34 | 3 | 20.77 | 4.12 | 2.38 |
| | 2 | 10 | 14.44 | 4.91 | 1.55 | 10 | 16.06 | 7.07 | 2.23 | 10 | 19.12 | 7.00 | 2.21 | 3 | 16.54 | 2.38 | 1.37 |
| | 3 | 10 | 23.86 | 8.15 | 2.58 | 10 | 15.74 | 4.67 | 1.48 | 10 | 19.47 | 7.68 | 2.43 | 3 | 19.69 | 4.06 | 2.35 |
| | 4 | 10 | 16.81 | 5.71 | 1.81 | 10 | 17.20 | 5.79 | 1.83 | 10 | 13.78 | 4.21 | 1.33 | 3 | 15.93 | 1.87 | 1.08 |
| | 5 | 10 | 28.77 | 7.91 | 2.50 | 10 | 27.05 | 10.86 | 3.43 | 10 | 25.38 | 7.56 | 2.39 | 3 | 27.07 | 1.70 | 0.98 |
| 300-Minute | 1 | 10 | 16.31 | 5.40 | 1.71 | 10 | 16.81 | 3.61 | 1.14 | 10 | 17.20 | 7.18 | 2.27 | 3 | 16.77 | 0.45 | 0.26 |
| | 2 | 10 | 13.14 | 5.53 | 1.75 | 10 | 17.40 | 5.87 | 1.85 | 10 | 19.69 | 6.13 | 1.94 | 3 | 16.74 | 3.32 | 1.92 |
| | 3 | 10 | 23.45 | 9.47 | 2.99 | 10 | 18.94 | 6.48 | 2.05 | 10 | 15.29 | 3.71 | 1.17 | 3 | 19.23 | 4.09 | 2.36 |
| | 4 | 10 | 19.71 | 6.44 | 2.04 | 10 | 15.89 | 4.05 | 1.28 | 10 | 17.72 | 3.18 | 1.00 | 3 | 17.77 | 1.91 | 1.10 |
| | 5 | 10 | 27.39 | 5.40 | 1.71 | 10 | 30.97 | 6.17 | 1.95 | 10 | 30.10 | 6.94 | 2.20 | 3 | 29.49 | 1.87 | 1.08 |
| 600-Minute | 1 | 10 | 18.24 | 7.83 | 2.47 | 10 | 32.55 | 6.75 | 2.13 | 10 | 22.73 | 6.58 | 2.08 | 3 | 24.51 | 7.32 | 4.23 |
| | 2 | 10 | 21.15 | 8.66 | 2.74 | 10 | 22.95 | 6.55 | 2.07 | 10 | 24.75 | 13.26 | 4.19 | 3 | 22.95 | 1.80 | 1.04 |
| | 3 | 10 | 21.87 | 6.73 | 2.13 | 10 | 17.16 | 4.13 | 1.31 | 10 | 13.37 | 3.92 | 1.24 | 3 | 17.47 | 4.26 | 2.46 |
| | 4 | 10 | 17.74 | 6.70 | 2.12 | 10 | 13.44 | 4.52 | 1.43 | 10 | 15.67 | 8.20 | 2.59 | 3 | 15.61 | 2.15 | 1.24 |
| | 5 | 10 | 21.00 | 6.48 | 2.05 | 10 | 13.89 | 5.52 | 1.75 | 10 | 23.48 | 11.37 | 3.59 | 3 | 19.46 | 4.98 | 2.87 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 038D DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | | | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | | | | |
| Baseline | 1 | 10 | 26.52 | 7.53 | 2.38 | 10 | 13.10 | 6.68 | 2.11 | 10 | 16.73 | 8.60 | 2.72 | 3 | 18.78 | 6.95 | 4.01 |
| | 2 | 10 | 20.95 | 8.69 | 2.75 | 10 | 14.48 | 4.30 | 1.36 | 10 | 16.36 | 3.73 | 1.18 | 3 | 17.26 | 3.33 | 1.92 |
| | 3 | 10 | 17.91 | 6.19 | 1.96 | 10 | 25.70 | 13.81 | 4.37 | 10 | 18.15 | 8.26 | 2.61 | 3 | 20.59 | 4.43 | 2.56 |
| | 4 | 10 | 12.89 | 4.24 | 1.34 | 10 | 15.39 | 3.44 | 1.09 | 10 | 17.34 | 5.24 | 1.66 | 3 | 15.21 | 2.23 | 1.29 |
| | 5 | 10 | 21.73 | 7.53 | 2.38 | 10 | 31.32 | 7.75 | 2.45 | 10 | 31.42 | 13.18 | 4.17 | 3 | 28.16 | 5.57 | 3.21 |
| 30-Minute | 1 | 10 | 19.14 | 8.71 | 2.76 | 10 | 26.09 | 11.33 | 3.58 | 10 | 26.50 | 10.33 | 3.27 | 3 | 23.91 | 4.13 | 2.39 |
| | 2 | 10 | 18.42 | 8.19 | 2.59 | 10 | 18.47 | 8.06 | 2.55 | 10 | 22.58 | 7.15 | 2.26 | 3 | 19.82 | 2.39 | 1.38 |
| | 3 | 10 | 26.74 | 8.63 | 2.73 | 10 | 16.68 | 8.45 | 2.67 | 10 | 18.55 | 6.71 | 2.12 | 3 | 20.66 | 5.35 | 3.09 |
| | 4 | 10 | 16.36 | 6.12 | 1.93 | 10 | 14.01 | 6.15 | 1.94 | 10 | 13.08 | 3.58 | 1.13 | 3 | 14.48 | 1.69 | 0.98 |
| | 5 | 10 | 19.33 | 7.56 | 2.39 | 10 | 24.76 | 9.08 | 2.87 | 10 | 19.29 | 9.29 | 2.94 | 3 | 21.13 | 3.14 | 1.82 |
| 90-Minute | 1 | 10 | 13.91 | 7.61 | 2.41 | 10 | 18.58 | 8.22 | 2.60 | 10 | 14.78 | 4.31 | 1.36 | 3 | 15.76 | 2.48 | 1.43 |
| | 2 | 10 | 11.98 | 4.81 | 1.52 | 10 | 15.42 | 4.12 | 1.30 | 10 | 18.34 | 10.12 | 3.20 | 3 | 15.25 | 3.18 | 1.84 |
| | 3 | 10 | 29.61 | 12.53 | 3.96 | 10 | 19.17 | 5.39 | 1.70 | 10 | 21.45 | 7.11 | 2.25 | 3 | 23.41 | 5.49 | 3.17 |
| | 4 | 10 | 18.40 | 3.60 | 1.14 | 10 | 19.81 | 7.72 | 2.44 | 10 | 15.56 | 4.31 | 1.36 | 3 | 17.92 | 2.17 | 1.25 |
| | 5 | 10 | 26.10 | 9.72 | 3.07 | 10 | 27.01 | 5.79 | 1.83 | 10 | 29.87 | 7.97 | 2.52 | 3 | 27.66 | 1.97 | 1.14 |
| 300-Minute | 1 | 10 | 9.35 | 3.47 | 1.10 | 10 | 12.56 | 4.63 | 1.46 | 10 | 14.63 | 6.10 | 1.93 | 3 | 12.18 | 2.66 | 1.53 |
| | 2 | 10 | 13.92 | 4.67 | 1.48 | 10 | 18.09 | 4.33 | 1.37 | 10 | 14.85 | 5.27 | 1.67 | 3 | 15.62 | 2.19 | 1.27 |
| | 3 | 10 | 30.63 | 10.44 | 3.30 | 10 | 20.42 | 8.10 | 2.56 | 10 | 17.52 | 6.43 | 2.03 | 3 | 22.86 | 6.88 | 3.97 |
| | 4 | 10 | 19.28 | 5.06 | 1.60 | 10 | 16.45 | 5.30 | 1.68 | 10 | 21.21 | 6.20 | 1.96 | 3 | 18.98 | 2.40 | 1.38 |
| | 5 | 10 | 26.83 | 8.12 | 2.57 | 10 | 32.48 | 8.42 | 2.66 | 10 | 31.79 | 7.73 | 2.44 | 3 | 30.37 | 3.08 | 1.78 |
| 600-Minute | 1 | 10 | 18.64 | 9.79 | 3.10 | 10 | 24.75 | 7.25 | 2.29 | 10 | 27.39 | 9.84 | 3.11 | 3 | 23.59 | 4.49 | 2.59 |
| | 2 | 10 | 22.87 | 11.43 | 3.61 | 10 | 26.82 | 9.97 | 3.15 | 10 | 25.55 | 11.18 | 3.54 | 3 | 25.08 | 2.02 | 1.17 |
| | 3 | 10 | 19.40 | 10.36 | 3.27 | 10 | 19.68 | 6.18 | 1.95 | 10 | 14.96 | 3.59 | 1.14 | 3 | 18.01 | 2.65 | 1.53 |
| | 4 | 10 | 16.12 | 4.89 | 1.55 | 10 | 15.07 | 6.06 | 1.92 | 10 | 11.94 | 4.63 | 1.47 | 3 | 14.38 | 2.18 | 1.26 |
| | 5 | 10 | 22.97 | 5.91 | 1.87 | 10 | 13.69 | 4.42 | 1.40 | 10 | 20.16 | 9.40 | 2.97 | 3 | 18.94 | 4.76 | 2.75 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 038D DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 20.42 | 7.91 | 2.50 | 10 | 19.92 | 8.87 | 2.81 | 10 | 19.58 | 6.25 | 1.98 | 3 | 19.97 | 0.42 | 0.24 |
| | 2 | 10 | 18.19 | 6.19 | 1.96 | 10 | 15.01 | 4.10 | 1.30 | 10 | 20.85 | 7.30 | 2.31 | 3 | 18.02 | 2.93 | 1.69 |
| | 3 | 10 | 15.20 | 4.93 | 1.56 | 10 | 20.24 | 9.29 | 2.94 | 10 | 19.23 | 7.43 | 2.35 | 3 | 18.22 | 2.67 | 1.54 |
| | 4 | 10 | 14.24 | 5.59 | 1.77 | 10 | 16.39 | 3.16 | 1.00 | 10 | 14.46 | 5.05 | 1.60 | 3 | 15.03 | 1.18 | 0.68 |
| | 5 | 10 | 31.95 | 9.16 | 2.90 | 10 | 28.44 | 6.91 | 2.19 | 10 | 25.88 | 5.70 | 1.80 | 3 | 28.76 | 3.05 | 1.76 |
| 30-Minute | 1 | 10 | 22.29 | 10.36 | 3.28 | 10 | 18.28 | 7.47 | 2.36 | 10 | 21.81 | 8.05 | 2.55 | 3 | 20.79 | 2.19 | 1.26 |
| | 2 | 10 | 16.94 | 6.45 | 2.04 | 10 | 18.58 | 7.52 | 2.38 | 10 | 21.64 | 11.28 | 3.57 | 3 | 15.05 | 2.39 | 1.38 |
| | 3 | 10 | 18.33 | 3.97 | 1.25 | 10 | 15.34 | 5.86 | 1.85 | 10 | 13.19 | 3.68 | 1.16 | 3 | 19.62 | 2.58 | 1.49 |
| | 4 | 10 | 16.68 | 5.98 | 1.89 | 10 | 13.36 | 4.93 | 1.56 | 10 | 13.69 | 3.53 | 1.12 | 3 | 14.58 | 1.83 | 1.06 |
| | 5 | 10 | 25.76 | 7.32 | 2.31 | 10 | 34.43 | 11.52 | 3.64 | 10 | 29.67 | 9.85 | 3.12 | 3 | 29.95 | 4.34 | 2.51 |
| 90-Minute | 1 | 10 | 15.26 | 5.76 | 1.82 | 10 | 15.10 | 6.00 | 1.90 | 10 | 12.49 | 3.23 | 1.02 | 3 | 14.28 | 1.56 | 0.90 |
| | 2 | 10 | 15.33 | 5.22 | 1.65 | 10 | 16.02 | 5.01 | 1.58 | 10 | 19.48 | 7.29 | 2.30 | 3 | 16.95 | 2.22 | 1.28 |
| | 3 | 10 | 25.05 | 7.75 | 2.45 | 10 | 20.50 | 5.68 | 1.80 | 10 | 20.13 | 10.06 | 3.18 | 3 | 21.89 | 2.74 | 1.58 |
| | 4 | 10 | 16.07 | 5.41 | 1.71 | 10 | 15.67 | 5.69 | 1.80 | 10 | 17.49 | 5.56 | 1.76 | 3 | 16.41 | 0.95 | 0.55 |
| | 5 | 10 | 28.29 | 8.86 | 2.80 | 10 | 32.70 | 8.34 | 2.64 | 10 | 30.41 | 10.09 | 3.19 | 3 | 30.47 | 2.20 | 1.27 |
| 300-Minute | 1 | 10 | 11.36 | 4.48 | 1.42 | 10 | 17.48 | 7.79 | 2.46 | 10 | 19.54 | 10.24 | 3.24 | 3 | 16.13 | 4.25 | 2.46 |
| | 2 | 10 | 16.67 | 5.43 | 1.72 | 10 | 16.24 | 5.62 | 1.78 | 10 | 23.15 | 6.29 | 1.99 | 3 | 18.69 | 3.87 | 2.24 |
| | 3 | 10 | 33.89 | 9.09 | 2.87 | 10 | 23.71 | 11.02 | 3.48 | 10 | 20.84 | 9.65 | 3.05 | 3 | 26.15 | 6.86 | 3.96 |
| | 4 | 10 | 14.26 | 4.80 | 1.52 | 10 | 17.16 | 4.35 | 1.38 | 10 | 15.46 | 6.57 | 2.08 | 3 | 15.62 | 1.46 | 0.84 |
| | 5 | 10 | 23.82 | 7.42 | 2.35 | 10 | 25.41 | 7.71 | 2.44 | 10 | 21.01 | 4.37 | 1.38 | 3 | 23.41 | 2.23 | 1.29 |
| 600-Minute | 1 | 10 | 23.32 | 10.48 | 3.31 | 10 | 23.57 | 7.41 | 2.34 | 10 | 26.11 | 9.07 | 2.87 | 3 | 24.33 | 1.54 | 0.89 |
| | 2 | 10 | 26.47 | 10.22 | 3.23 | 10 | 24.83 | 10.68 | 3.38 | 10 | 22.09 | 7.70 | 2.43 | 3 | 24.46 | 2.22 | 1.28 |
| | 3 | 10 | 17.57 | 9.21 | 2.91 | 10 | 20.83 | 5.95 | 1.88 | 10 | 15.59 | 5.11 | 1.62 | 3 | 18.00 | 2.64 | 1.53 |
| | 4 | 10 | 12.16 | 3.45 | 1.09 | 10 | 12.44 | 4.41 | 1.39 | 10 | 13.34 | 3.55 | 1.12 | 3 | 12.65 | 0.62 | 0.36 |
| | 5 | 10 | 20.48 | 5.58 | 1.77 | 10 | 18.33 | 6.96 | 2.20 | 10 | 22.88 | 8.75 | 2.77 | 3 | 20.56 | 2.27 | 1.31 |

PARAMETER = Percent Power
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | | Windows 11-20 | | | | Windows 21-30 | | | | Grand Mean | | S.E. | |
|------------|------------|--------------|-------|-------|------|---------------|-------|-------|------|---------------|-------|-------|------|------------|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | | Std. |
| Baseline | 1 | 10 | 23.31 | 4.86 | 1.54 | 10 | 17.57 | 3.96 | 1.25 | 10 | 22.31 | 7.33 | 2.32 | 3 | 21.06 | 3.07 | 1.77 |
| | 2 | 10 | 25.60 | 6.32 | 2.00 | 10 | 19.14 | 8.71 | 2.75 | 10 | 18.02 | 6.38 | 2.02 | 3 | 20.92 | 4.10 | 2.36 |
| | 3 | 10 | 14.00 | 5.59 | 1.77 | 10 | 21.53 | 9.05 | 2.86 | 10 | 19.98 | 6.69 | 2.11 | 3 | 18.50 | 3.98 | 2.30 |
| | 4 | 10 | 15.28 | 6.31 | 1.99 | 10 | 14.64 | 4.07 | 1.29 | 10 | 14.47 | 4.40 | 1.39 | 3 | 14.80 | 0.43 | 0.25 |
| | 5 | 10 | 21.81 | 5.47 | 1.73 | 10 | 27.12 | 4.34 | 1.37 | 10 | 25.23 | 5.13 | 1.62 | 3 | 24.72 | 2.70 | 1.56 |
| 30-Minute | 1 | 10 | 22.56 | 10.72 | 3.39 | 10 | 20.55 | 10.27 | 3.25 | 10 | 25.58 | 10.76 | 3.40 | 3 | 22.90 | 2.53 | 1.46 |
| | 2 | 10 | 20.73 | 5.16 | 1.63 | 10 | 25.95 | 11.69 | 3.70 | 10 | 23.79 | 7.90 | 2.50 | 3 | 23.49 | 2.62 | 1.51 |
| | 3 | 10 | 19.24 | 5.25 | 1.66 | 10 | 20.73 | 7.69 | 2.43 | 10 | 16.90 | 3.84 | 1.21 | 3 | 18.96 | 1.93 | 1.12 |
| | 4 | 10 | 16.90 | 7.11 | 2.25 | 10 | 10.87 | 3.81 | 1.20 | 10 | 12.86 | 6.16 | 1.95 | 3 | 13.54 | 3.07 | 1.77 |
| | 5 | 10 | 20.58 | 5.33 | 1.68 | 10 | 21.89 | 7.55 | 2.39 | 10 | 20.88 | 9.31 | 2.95 | 3 | 21.12 | 0.69 | 0.40 |
| 90-Minute | 1 | 10 | 18.69 | 8.07 | 2.55 | 10 | 17.53 | 6.55 | 2.07 | 10 | 19.59 | 8.33 | 2.63 | 3 | 18.60 | 1.04 | 0.60 |
| | 2 | 10 | 17.76 | 7.81 | 2.47 | 10 | 19.46 | 9.71 | 3.07 | 10 | 24.66 | 9.49 | 3.00 | 3 | 20.63 | 3.60 | 2.08 |
| | 3 | 10 | 23.36 | 10.87 | 3.44 | 10 | 19.32 | 6.32 | 2.00 | 10 | 19.14 | 8.53 | 2.70 | 3 | 20.61 | 2.38 | 1.38 |
| | 4 | 10 | 16.01 | 4.65 | 1.47 | 10 | 18.13 | 6.26 | 1.98 | 10 | 13.01 | 5.37 | 1.70 | 3 | 15.72 | 2.57 | 1.48 |
| | 5 | 10 | 24.19 | 8.20 | 2.59 | 10 | 25.56 | 10.59 | 3.35 | 10 | 23.59 | 8.35 | 2.64 | 3 | 24.45 | 1.01 | 0.58 |
| 300-Minute | 1 | 10 | 11.79 | 5.08 | 1.61 | 10 | 20.26 | 7.14 | 2.26 | 10 | 17.71 | 5.16 | 1.63 | 3 | 16.59 | 4.35 | 2.51 |
| | 2 | 10 | 16.03 | 4.56 | 1.44 | 10 | 16.30 | 3.68 | 1.16 | 10 | 22.61 | 6.45 | 2.04 | 3 | 18.31 | 3.72 | 2.15 |
| | 3 | 10 | 26.17 | 9.44 | 2.99 | 10 | 19.58 | 8.87 | 2.80 | 10 | 18.61 | 9.60 | 3.04 | 3 | 21.46 | 4.11 | 2.37 |
| | 4 | 10 | 17.80 | 6.73 | 2.13 | 10 | 16.75 | 5.42 | 1.71 | 10 | 16.95 | 4.56 | 1.44 | 3 | 17.17 | 0.56 | 0.32 |
| | 5 | 10 | 28.22 | 8.64 | 2.73 | 10 | 27.11 | 8.28 | 2.62 | 10 | 24.11 | 5.92 | 1.87 | 3 | 26.48 | 2.12 | 1.23 |
| 600-Minute | 1 | 10 | 25.66 | 16.21 | 5.12 | 10 | 30.35 | 10.27 | 3.25 | 10 | 29.06 | 12.27 | 3.88 | 3 | 28.35 | 2.42 | 1.40 |
| | 2 | 10 | 25.05 | 8.87 | 2.80 | 10 | 26.51 | 7.78 | 2.46 | 10 | 23.91 | 10.14 | 3.21 | 3 | 25.16 | 1.31 | 0.75 |
| | 3 | 10 | 16.80 | 8.21 | 2.60 | 10 | 19.67 | 5.55 | 1.76 | 10 | 15.37 | 3.82 | 1.21 | 3 | 17.28 | 2.19 | 1.27 |
| | 4 | 10 | 13.55 | 5.95 | 1.88 | 10 | 12.65 | 7.16 | 2.27 | 10 | 13.67 | 5.96 | 1.88 | 3 | 13.29 | 0.56 | 0.32 |
| | 5 | 10 | 18.95 | 7.00 | 2.21 | 10 | 10.82 | 5.34 | 1.69 | 10 | 18.00 | 9.37 | 2.96 | 3 | 15.92 | 4.45 | 2.57 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 038D DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | | | | |
| Baseline | 1 | 10 | 1.98 | 0.26 | 0.08 | 10 | 1.97 | 0.31 | 0.10 | 10 | 2.04 | 0.23 | 0.07 | 3 | 2.00 | 0.04 | 0.02 |
| | 2 | 10 | 5.45 | 0.27 | 0.09 | 10 | 5.78 | 0.28 | 0.09 | 10 | 5.67 | 0.32 | 0.10 | 3 | 5.64 | 0.16 | 0.10 |
| | 3 | 10 | 9.89 | 0.43 | 0.14 | 10 | 10.10 | 0.42 | 0.13 | 10 | 9.92 | 0.42 | 0.13 | 3 | 9.97 | 0.12 | 0.07 |
| | 4 | 10 | 15.44 | 0.37 | 0.12 | 10 | 15.29 | 0.32 | 0.10 | 10 | 15.29 | 0.44 | 0.14 | 3 | 15.34 | 0.09 | 0.05 |
| | 5 | 10 | 21.61 | 0.65 | 0.20 | 10 | 20.91 | 0.59 | 0.19 | 10 | 21.72 | 0.58 | 0.18 | 3 | 21.41 | 0.44 | 0.25 |
| 30-Minute | 9 | 10 | 8.89 | 1.35 | 0.43 | 10 | 11.28 | 1.35 | 0.43 | 10 | 11.02 | 2.12 | 0.67 | 3 | 10.40 | 1.31 | 0.76 |
| | 1 | 10 | 2.02 | 0.20 | 0.06 | 10 | 2.05 | 0.19 | 0.06 | 10 | 2.21 | 0.14 | 0.04 | 3 | 2.09 | 0.10 | 0.06 |
| | 2 | 10 | 5.64 | 0.38 | 0.12 | 10 | 5.57 | 0.38 | 0.12 | 10 | 5.72 | 0.35 | 0.11 | 3 | 5.64 | 0.07 | 0.04 |
| | 3 | 10 | 9.98 | 0.31 | 0.10 | 10 | 10.01 | 0.19 | 0.06 | 10 | 9.93 | 0.48 | 0.15 | 3 | 9.97 | 0.04 | 0.02 |
| | 4 | 10 | 15.15 | 0.43 | 0.14 | 10 | 15.64 | 0.40 | 0.13 | 10 | 15.19 | 0.30 | 0.10 | 3 | 15.33 | 0.27 | 0.16 |
| 90-Minute | 5 | 10 | 21.36 | 0.49 | 0.16 | 10 | 21.06 | 0.41 | 0.13 | 10 | 21.27 | 0.66 | 0.21 | 3 | 21.23 | 0.16 | 0.09 |
| | 9 | 10 | 10.21 | 1.86 | 0.59 | 10 | 9.84 | 2.55 | 0.81 | 10 | 9.06 | 2.49 | 0.79 | 3 | 9.70 | 0.59 | 0.34 |
| | 1 | 10 | 2.12 | 0.27 | 0.08 | 10 | 2.09 | 0.16 | 0.05 | 10 | 2.06 | 0.29 | 0.09 | 3 | 2.09 | 0.03 | 0.02 |
| | 2 | 10 | 5.64 | 0.13 | 0.04 | 10 | 5.69 | 0.55 | 0.17 | 10 | 5.39 | 0.28 | 0.09 | 3 | 5.57 | 0.16 | 0.09 |
| | 3 | 10 | 10.28 | 0.33 | 0.11 | 10 | 10.06 | 0.29 | 0.09 | 10 | 10.02 | 0.26 | 0.08 | 3 | 10.12 | 0.14 | 0.08 |
| 300-Minute | 4 | 10 | 15.23 | 0.22 | 0.07 | 10 | 15.49 | 0.33 | 0.11 | 10 | 15.34 | 0.40 | 0.13 | 3 | 15.35 | 0.13 | 0.07 |
| | 5 | 10 | 21.01 | 0.38 | 0.12 | 10 | 21.06 | 0.60 | 0.19 | 10 | 21.22 | 0.38 | 0.12 | 3 | 21.09 | 0.11 | 0.06 |
| | 9 | 10 | 12.21 | 1.13 | 0.36 | 10 | 11.31 | 1.82 | 0.58 | 10 | 10.92 | 1.82 | 0.57 | 3 | 11.48 | 0.66 | 0.38 |
| | 1 | 10 | 1.88 | 0.38 | 0.12 | 10 | 2.11 | 0.31 | 0.10 | 10 | 2.12 | 0.29 | 0.09 | 3 | 2.04 | 0.14 | 0.08 |
| | 2 | 10 | 5.76 | 0.35 | 0.11 | 10 | 5.49 | 0.25 | 0.08 | 10 | 5.48 | 0.28 | 0.09 | 3 | 5.58 | 0.16 | 0.09 |
| 600-Minute | 3 | 10 | 9.93 | 0.45 | 0.14 | 10 | 10.04 | 0.33 | 0.10 | 10 | 10.23 | 0.38 | 0.12 | 3 | 10.07 | 0.15 | 0.09 |
| | 4 | 10 | 15.62 | 0.26 | 0.08 | 10 | 15.36 | 0.36 | 0.11 | 10 | 15.43 | 0.36 | 0.11 | 3 | 15.47 | 0.14 | 0.08 |
| | 5 | 10 | 21.02 | 0.50 | 0.16 | 10 | 21.03 | 0.45 | 0.14 | 10 | 20.83 | 0.48 | 0.15 | 3 | 20.96 | 0.11 | 0.07 |
| | 9 | 10 | 12.20 | 1.01 | 0.32 | 10 | 12.15 | 1.18 | 0.37 | 10 | 12.02 | 1.46 | 0.46 | 3 | 12.12 | 0.09 | 0.05 |
| | 1 | 10 | 2.09 | 0.27 | 0.09 | 10 | 2.28 | 0.34 | 0.11 | 10 | 2.37 | 0.27 | 0.09 | 3 | 2.24 | 0.14 | 0.08 |
| 600-Minute | 2 | 10 | 5.77 | 0.31 | 0.10 | 10 | 5.56 | 0.32 | 0.10 | 10 | 5.59 | 0.30 | 0.09 | 3 | 5.64 | 0.11 | 0.07 |
| | 3 | 10 | 9.94 | 0.53 | 0.17 | 10 | 10.23 | 0.39 | 0.12 | 10 | 10.30 | 0.49 | 0.15 | 3 | 10.16 | 0.19 | 0.11 |
| | 4 | 10 | 15.34 | 0.25 | 0.08 | 10 | 15.05 | 0.37 | 0.12 | 10 | 15.04 | 0.29 | 0.09 | 3 | 15.14 | 0.17 | 0.10 |
| | 5 | 10 | 20.98 | 0.46 | 0.15 | 10 | 21.27 | 0.50 | 0.16 | 10 | 21.09 | 0.51 | 0.16 | 3 | 21.11 | 0.14 | 0.08 |
| | 9 | 10 | 10.89 | 1.45 | 0.46 | 10 | 8.76 | 1.40 | 0.44 | 10 | 10.61 | 2.46 | 0.78 | 3 | 10.09 | 1.16 | 0.67 |

PARAMETER = Mean Frequency
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 2.32 | 0.30 | 0.09 | 10 | 1.99 | 0.28 | 0.09 | 10 | 2.04 | 0.31 | 0.10 | 3 | 2.12 | 0.18 | 0.10 |
| | 2 | 10 | 5.58 | 0.35 | 0.11 | 10 | 5.79 | 0.28 | 0.09 | 10 | 5.65 | 0.44 | 0.14 | 3 | 5.68 | 0.11 | 0.06 |
| | 3 | 10 | 10.08 | 0.37 | 0.12 | 10 | 10.13 | 0.47 | 0.15 | 10 | 10.02 | 0.42 | 0.13 | 3 | 10.07 | 0.06 | 0.03 |
| | 4 | 10 | 15.21 | 0.23 | 0.07 | 10 | 15.40 | 0.39 | 0.12 | 10 | 15.13 | 0.51 | 0.16 | 3 | 15.25 | 0.14 | 0.08 |
| | 5 | 10 | 21.34 | 0.56 | 0.18 | 10 | 21.15 | 0.52 | 0.16 | 10 | 21.36 | 0.47 | 0.15 | 3 | 21.29 | 0.12 | 0.07 |
| 30-Minute | 9 | 10 | 10.15 | 1.59 | 0.50 | 10 | 12.68 | 1.30 | 0.41 | 10 | 12.45 | 2.17 | 0.69 | 3 | 11.76 | 1.40 | 0.81 |
| | 1 | 10 | 2.12 | 0.31 | 0.10 | 10 | 2.18 | 0.29 | 0.09 | 10 | 2.23 | 0.22 | 0.07 | 3 | 2.18 | 0.06 | 0.03 |
| | 2 | 10 | 5.74 | 0.31 | 0.10 | 10 | 5.58 | 0.34 | 0.11 | 10 | 5.68 | 0.34 | 0.11 | 3 | 5.66 | 0.08 | 0.05 |
| | 3 | 10 | 9.98 | 0.31 | 0.10 | 10 | 10.11 | 0.39 | 0.12 | 10 | 10.04 | 0.34 | 0.11 | 3 | 10.04 | 0.07 | 0.04 |
| | 4 | 10 | 15.16 | 0.27 | 0.08 | 10 | 15.52 | 0.31 | 0.10 | 10 | 15.16 | 0.33 | 0.10 | 3 | 15.28 | 0.21 | 0.12 |
| 90-Minute | 5 | 10 | 21.21 | 0.62 | 0.20 | 10 | 20.93 | 0.32 | 0.10 | 10 | 20.90 | 0.51 | 0.16 | 3 | 21.01 | 0.17 | 0.10 |
| | 9 | 10 | 10.71 | 1.50 | 0.47 | 10 | 10.62 | 1.86 | 0.59 | 10 | 9.76 | 1.43 | 0.45 | 3 | 10.36 | 0.52 | 0.30 |
| | 1 | 10 | 2.11 | 0.28 | 0.09 | 10 | 2.29 | 0.19 | 0.06 | 10 | 2.24 | 0.21 | 0.07 | 3 | 2.21 | 0.09 | 0.05 |
| | 2 | 10 | 5.78 | 0.43 | 0.14 | 10 | 5.71 | 0.31 | 0.10 | 10 | 5.54 | 0.25 | 0.08 | 3 | 5.68 | 0.12 | 0.07 |
| | 3 | 10 | 10.04 | 0.37 | 0.12 | 10 | 10.29 | 0.36 | 0.11 | 10 | 9.96 | 0.18 | 0.06 | 3 | 10.10 | 0.17 | 0.10 |
| 300-Minute | 4 | 10 | 15.41 | 0.38 | 0.12 | 10 | 15.26 | 0.42 | 0.13 | 10 | 15.44 | 0.27 | 0.08 | 3 | 15.37 | 0.10 | 0.06 |
| | 5 | 10 | 20.88 | 0.71 | 0.23 | 10 | 21.04 | 0.45 | 0.14 | 10 | 21.08 | 0.52 | 0.16 | 3 | 21.00 | 0.10 | 0.06 |
| | 9 | 10 | 12.17 | 0.97 | 0.31 | 10 | 11.98 | 1.45 | 0.46 | 10 | 12.15 | 1.53 | 0.48 | 3 | 12.10 | 0.11 | 0.06 |
| | 1 | 10 | 2.14 | 0.19 | 0.06 | 10 | 2.25 | 0.17 | 0.05 | 10 | 2.33 | 0.26 | 0.08 | 3 | 2.24 | 0.10 | 0.06 |
| | 2 | 10 | 5.82 | 0.42 | 0.13 | 10 | 5.74 | 0.39 | 0.12 | 10 | 5.67 | 0.19 | 0.06 | 3 | 5.74 | 0.08 | 0.04 |
| 600-Minute | 3 | 10 | 9.87 | 0.34 | 0.11 | 10 | 10.22 | 0.48 | 0.15 | 10 | 10.01 | 0.30 | 0.10 | 3 | 10.03 | 0.18 | 0.10 |
| | 4 | 10 | 15.53 | 0.55 | 0.17 | 10 | 15.27 | 0.42 | 0.13 | 10 | 15.46 | 0.41 | 0.13 | 3 | 15.42 | 0.14 | 0.08 |
| | 5 | 10 | 20.71 | 0.29 | 0.09 | 10 | 20.79 | 0.53 | 0.17 | 10 | 20.98 | 0.70 | 0.22 | 3 | 20.83 | 0.14 | 0.08 |
| | 9 | 10 | 12.57 | 0.92 | 0.29 | 10 | 12.71 | 1.26 | 0.40 | 10 | 12.90 | 1.28 | 0.40 | 3 | 12.73 | 0.17 | 0.10 |
| | 1 | 10 | 2.41 | 0.24 | 0.08 | 10 | 2.18 | 0.21 | 0.07 | 10 | 2.27 | 0.32 | 0.10 | 3 | 2.29 | 0.12 | 0.07 |
| 600-Minute | 2 | 10 | 5.59 | 0.37 | 0.12 | 10 | 5.62 | 0.36 | 0.12 | 10 | 5.44 | 0.30 | 0.09 | 3 | 5.55 | 0.10 | 0.06 |
| | 3 | 10 | 9.84 | 0.49 | 0.15 | 10 | 10.01 | 0.45 | 0.14 | 10 | 10.39 | 0.42 | 0.13 | 3 | 10.08 | 0.28 | 0.16 |
| | 4 | 10 | 15.52 | 0.42 | 0.13 | 10 | 15.05 | 0.31 | 0.10 | 10 | 15.26 | 0.44 | 0.14 | 3 | 15.28 | 0.23 | 0.14 |
| | 5 | 10 | 20.90 | 0.34 | 0.11 | 10 | 21.28 | 0.64 | 0.20 | 10 | 20.74 | 0.35 | 0.11 | 3 | 20.97 | 0.28 | 0.16 |
| | 9 | 10 | 10.93 | 1.07 | 0.34 | 10 | 9.21 | 1.19 | 0.38 | 10 | 9.59 | 1.91 | 0.60 | 3 | 9.91 | 0.91 | 0.52 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 038D DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | | | | |
| Baseline | 1 | 10 | 2.32 | 0.33 | 0.11 | 10 | 2.25 | 0.23 | 0.07 | 10 | 2.38 | 0.24 | 0.08 | 3 | 2.32 | 0.06 | 0.04 |
| | 2 | 10 | 5.69 | 0.27 | 0.09 | 10 | 5.80 | 0.30 | 0.09 | 10 | 5.64 | 0.25 | 0.08 | 3 | 5.71 | 0.08 | 0.05 |
| | 3 | 10 | 10.17 | 0.45 | 0.14 | 10 | 10.16 | 0.31 | 0.10 | 10 | 10.07 | 0.26 | 0.08 | 3 | 10.13 | 0.05 | 0.03 |
| | 4 | 10 | 14.87 | 0.37 | 0.12 | 10 | 15.22 | 0.55 | 0.18 | 10 | 15.16 | 0.38 | 0.12 | 3 | 15.08 | 0.18 | 0.11 |
| | 5 | 10 | 21.77 | 0.40 | 0.13 | 10 | 20.76 | 0.73 | 0.23 | 10 | 21.29 | 0.53 | 0.17 | 3 | 21.28 | 0.51 | 0.29 |
| 30-Minute | 9 | 10 | 12.09 | 1.84 | 0.58 | 10 | 11.75 | 1.35 | 0.43 | 10 | 11.30 | 0.94 | 0.30 | 3 | 11.72 | 0.40 | 0.23 |
| | 1 | 10 | 2.24 | 0.27 | 0.08 | 10 | 2.22 | 0.28 | 0.09 | 10 | 2.17 | 0.29 | 0.09 | 3 | 2.21 | 0.04 | 0.02 |
| | 2 | 10 | 5.82 | 0.32 | 0.10 | 10 | 5.68 | 0.30 | 0.09 | 10 | 5.58 | 0.28 | 0.09 | 3 | 5.69 | 0.12 | 0.07 |
| | 3 | 10 | 10.04 | 0.28 | 0.09 | 10 | 10.10 | 0.35 | 0.11 | 10 | 10.24 | 0.48 | 0.15 | 3 | 10.13 | 0.11 | 0.06 |
| | 4 | 10 | 15.26 | 0.46 | 0.15 | 10 | 15.36 | 0.44 | 0.14 | 10 | 15.41 | 0.29 | 0.09 | 3 | 15.34 | 0.07 | 0.04 |
| 90-Minute | 5 | 10 | 21.29 | 0.42 | 0.13 | 10 | 21.06 | 0.57 | 0.18 | 10 | 21.32 | 0.49 | 0.16 | 3 | 21.22 | 0.14 | 0.08 |
| | 9 | 10 | 11.33 | 1.67 | 0.53 | 10 | 12.35 | 2.06 | 0.65 | 10 | 11.50 | 1.65 | 0.52 | 3 | 11.73 | 0.54 | 0.31 |
| | 1 | 10 | 2.05 | 0.23 | 0.07 | 10 | 2.29 | 0.23 | 0.07 | 10 | 2.32 | 0.26 | 0.08 | 3 | 2.22 | 0.15 | 0.09 |
| | 2 | 10 | 5.72 | 0.30 | 0.09 | 10 | 5.79 | 0.35 | 0.11 | 10 | 5.66 | 0.39 | 0.12 | 3 | 5.72 | 0.06 | 0.04 |
| | 3 | 10 | 10.17 | 0.36 | 0.11 | 10 | 10.32 | 0.33 | 0.10 | 10 | 10.35 | 0.26 | 0.08 | 3 | 10.28 | 0.10 | 0.06 |
| 300-Minute | 4 | 10 | 15.38 | 0.48 | 0.15 | 10 | 15.37 | 0.37 | 0.12 | 10 | 15.36 | 0.39 | 0.12 | 3 | 15.37 | 0.01 | 0.01 |
| | 5 | 10 | 21.19 | 0.56 | 0.18 | 10 | 21.21 | 0.37 | 0.12 | 10 | 20.98 | 0.56 | 0.18 | 3 | 21.13 | 0.13 | 0.07 |
| | 9 | 10 | 12.24 | 1.44 | 0.46 | 10 | 12.74 | 1.51 | 0.48 | 10 | 12.53 | 1.23 | 0.39 | 3 | 12.50 | 0.25 | 0.15 |
| | 1 | 10 | 2.23 | 0.26 | 0.08 | 10 | 2.20 | 0.29 | 0.09 | 10 | 2.28 | 0.28 | 0.09 | 3 | 2.23 | 0.04 | 0.02 |
| | 2 | 10 | 5.79 | 0.38 | 0.12 | 10 | 5.80 | 0.37 | 0.12 | 10 | 5.55 | 0.32 | 0.10 | 3 | 5.71 | 0.14 | 0.08 |
| 600-Minute | 3 | 10 | 10.13 | 0.29 | 0.09 | 10 | 10.37 | 0.28 | 0.09 | 10 | 10.31 | 0.28 | 0.09 | 3 | 10.27 | 0.12 | 0.07 |
| | 4 | 10 | 15.31 | 0.48 | 0.15 | 10 | 14.97 | 0.47 | 0.15 | 10 | 15.23 | 0.36 | 0.11 | 3 | 15.17 | 0.18 | 0.10 |
| | 5 | 10 | 21.02 | 0.52 | 0.16 | 10 | 20.80 | 0.52 | 0.17 | 10 | 21.09 | 0.40 | 0.13 | 3 | 20.97 | 0.15 | 0.09 |
| | 9 | 10 | 11.84 | 0.98 | 0.31 | 10 | 11.65 | 1.50 | 0.47 | 10 | 10.62 | 1.17 | 0.37 | 3 | 11.37 | 0.65 | 0.38 |
| | 1 | 10 | 2.20 | 0.31 | 0.10 | 10 | 2.20 | 0.22 | 0.07 | 10 | 2.28 | 0.16 | 0.05 | 3 | 2.22 | 0.05 | 0.03 |
| | 2 | 10 | 5.73 | 0.20 | 0.06 | 10 | 5.58 | 0.38 | 0.12 | 10 | 5.83 | 0.32 | 0.10 | 3 | 5.72 | 0.12 | 0.07 |
| | 3 | 10 | 10.09 | 0.36 | 0.11 | 10 | 10.24 | 0.54 | 0.17 | 10 | 10.33 | 0.37 | 0.12 | 3 | 10.22 | 0.12 | 0.07 |
| | 4 | 10 | 15.40 | 0.39 | 0.12 | 10 | 15.20 | 0.50 | 0.16 | 10 | 15.22 | 0.44 | 0.14 | 3 | 15.27 | 0.11 | 0.06 |
| | 5 | 10 | 20.96 | 0.40 | 0.13 | 10 | 21.03 | 0.60 | 0.19 | 10 | 20.89 | 0.63 | 0.20 | 3 | 20.96 | 0.07 | 0.04 |
| | 9 | 10 | 9.93 | 1.09 | 0.34 | 10 | 9.77 | 1.30 | 0.41 | 10 | 10.31 | 1.82 | 0.58 | 3 | 10.00 | 0.28 | 0.16 |

PARAMETER = Peak Frequency
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | | Windows 11-20 | | | | Windows 21-30 | | | | Grand Mean | | S.E. | |
|------------|------------|--------------|-------|------|------|---------------|-------|------|------|---------------|-------|------|------|------------|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | | Std. |
| Baseline | 1 | 8 | 2.25 | 0.71 | 0.25 | 7 | 2.57 | 0.79 | 0.30 | 8 | 2.37 | 0.64 | 0.23 | 3 | 2.40 | 0.16 | 0.09 |
| | 2 | 9 | 5.78 | 0.91 | 0.30 | 9 | 6.28 | 0.83 | 0.28 | 10 | 5.80 | 1.06 | 0.33 | 3 | 5.95 | 0.28 | 0.16 |
| | 3 | 10 | 9.60 | 1.20 | 0.38 | 9 | 10.00 | 1.15 | 0.38 | 10 | 10.10 | 1.24 | 0.39 | 3 | 9.90 | 0.26 | 0.15 |
| | 4 | 10 | 15.90 | 0.81 | 0.26 | 10 | 15.40 | 1.02 | 0.32 | 10 | 15.30 | 1.36 | 0.43 | 3 | 15.53 | 0.32 | 0.19 |
| | 5 | 10 | 21.85 | 2.31 | 0.73 | 10 | 20.80 | 1.87 | 0.59 | 10 | 22.50 | 1.15 | 0.37 | 3 | 21.72 | 0.86 | 0.50 |
| 9 | 10 | 5.70 | 3.81 | 1.20 | 10 | 12.30 | 8.40 | 2.66 | | | | | 3 | 10.10 | 3.81 | 2.20 | |
| 30-Minute | 1 | 8 | 2.62 | 0.88 | 0.31 | 9 | 2.06 | 0.73 | 0.24 | 10 | 2.45 | 0.72 | 0.23 | 3 | 2.38 | 0.29 | 0.17 |
| | 2 | 10 | 5.95 | 1.01 | 0.32 | 8 | 5.81 | 0.75 | 0.27 | 10 | 6.10 | 0.74 | 0.23 | 3 | 5.95 | 0.14 | 0.08 |
| | 3 | 10 | 9.90 | 0.99 | 0.31 | 10 | 10.25 | 1.18 | 0.37 | 10 | 9.75 | 1.36 | 0.43 | 3 | 9.97 | 0.26 | 0.15 |
| | 4 | 10 | 15.65 | 0.97 | 0.31 | 9 | 15.72 | 1.39 | 0.46 | 10 | 15.10 | 1.31 | 0.41 | 3 | 15.49 | 0.34 | 0.20 |
| | 5 | 10 | 21.05 | 1.42 | 0.45 | 10 | 21.40 | 1.61 | 0.51 | 10 | 21.10 | 2.13 | 0.67 | 3 | 21.18 | 0.19 | 0.11 |
| 9 | 10 | 7.65 | 4.81 | 1.52 | 10 | 6.75 | 6.31 | 2.00 | | | | | 3 | 7.40 | 0.57 | 0.33 | |
| 90-Minute | 1 | 8 | 2.56 | 0.73 | 0.26 | 10 | 2.10 | 0.70 | 0.22 | 7 | 2.64 | 0.75 | 0.28 | 3 | 2.44 | 0.29 | 0.17 |
| | 2 | 10 | 5.95 | 1.04 | 0.33 | 10 | 6.00 | 1.08 | 0.34 | 10 | 5.75 | 0.95 | 0.30 | 3 | 5.90 | 0.13 | 0.08 |
| | 3 | 10 | 10.30 | 0.98 | 0.31 | 10 | 10.05 | 1.23 | 0.39 | 10 | 9.75 | 1.34 | 0.42 | 3 | 10.03 | 0.28 | 0.16 |
| | 4 | 10 | 15.55 | 1.46 | 0.46 | 10 | 16.25 | 0.98 | 0.31 | 10 | 15.15 | 1.03 | 0.33 | 3 | 15.65 | 0.56 | 0.32 |
| | 5 | 10 | 21.00 | 1.67 | 0.53 | 10 | 21.80 | 1.92 | 0.61 | 10 | 21.10 | 1.41 | 0.45 | 3 | 21.30 | 0.44 | 0.25 |
| 9 | 10 | 10.90 | 5.64 | 1.78 | 10 | 7.25 | 7.66 | 2.42 | | | | | 3 | 8.10 | 2.49 | 1.44 | |
| 300-Minute | 1 | 5 | 2.30 | 0.76 | 0.34 | 6 | 2.75 | 0.99 | 0.40 | 10 | 2.30 | 0.54 | 0.17 | 3 | 2.45 | 0.26 | 0.15 |
| | 2 | 10 | 6.00 | 0.91 | 0.29 | 10 | 5.90 | 0.97 | 0.31 | 9 | 5.94 | 0.92 | 0.31 | 3 | 5.95 | 0.05 | 0.03 |
| | 3 | 10 | 10.10 | 0.77 | 0.24 | 10 | 9.85 | 1.16 | 0.37 | 10 | 10.80 | 1.44 | 0.45 | 3 | 10.25 | 0.49 | 0.28 |
| | 4 | 10 | 15.75 | 1.53 | 0.48 | 10 | 15.55 | 1.59 | 0.50 | 10 | 15.40 | 1.37 | 0.43 | 3 | 15.57 | 0.18 | 0.10 |
| | 5 | 10 | 21.25 | 1.70 | 0.54 | 10 | 20.95 | 1.46 | 0.46 | 10 | 20.95 | 1.38 | 0.44 | 3 | 21.05 | 0.17 | 0.10 |
| 9 | 10 | 11.05 | 5.54 | 1.75 | 10 | 10.45 | 7.31 | 2.31 | | | | | 3 | 11.68 | 1.64 | 0.95 | |
| 600-Minute | 1 | 8 | 2.50 | 0.71 | 0.25 | 10 | 2.70 | 0.71 | 0.23 | 10 | 2.55 | 0.76 | 0.24 | 3 | 2.58 | 0.10 | 0.06 |
| | 2 | 9 | 5.56 | 1.07 | 0.36 | 10 | 5.70 | 0.86 | 0.27 | 10 | 5.95 | 1.09 | 0.35 | 3 | 5.74 | 0.20 | 0.12 |
| | 3 | 10 | 9.95 | 1.26 | 0.40 | 10 | 10.75 | 0.89 | 0.28 | 10 | 10.95 | 0.69 | 0.22 | 3 | 10.55 | 0.53 | 0.31 |
| | 4 | 10 | 16.30 | 1.14 | 0.36 | 10 | 15.40 | 1.17 | 0.37 | 10 | 15.25 | 1.16 | 0.37 | 3 | 15.65 | 0.57 | 0.33 |
| | 5 | 10 | 21.45 | 1.86 | 0.59 | 10 | 21.65 | 1.87 | 0.59 | 10 | 21.55 | 1.52 | 0.48 | 3 | 21.55 | 0.10 | 0.06 |
| 9 | 10 | 6.10 | 3.11 | 0.98 | 10 | 3.25 | 1.59 | 0.50 | | | | | 3 | 6.43 | 3.36 | 1.94 | |

PARAMETER = Peak Frequency
CHANNEL = 2

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 038D DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 9 | 2.33 | 0.83 | 0.28 | 10 | 2.50 | 0.82 | 0.26 | 10 | 2.65 | 0.78 | 0.25 |
| | 2 | 8 | 6.19 | 0.80 | 0.28 | 10 | 6.10 | 0.77 | 0.24 | 9 | 6.06 | 1.04 | 0.35 |
| | 3 | 10 | 10.35 | 1.31 | 0.42 | 10 | 9.90 | 1.07 | 0.34 | 10 | 9.95 | 1.48 | 0.47 |
| | 4 | 10 | 14.95 | 1.21 | 0.38 | 9 | 15.22 | 1.52 | 0.51 | 10 | 16.00 | 0.71 | 0.22 |
| | 5 | 10 | 22.60 | 1.31 | 0.41 | 10 | 20.00 | 1.83 | 0.58 | 10 | 21.20 | 2.16 | 0.68 |
| 30-Minute | 9 | 10 | 9.35 | 8.80 | 2.78 | 10 | 8.70 | 7.45 | 2.36 | 10 | 6.00 | 3.94 | 1.24 |
| | 1 | 10 | 2.30 | 0.86 | 0.27 | 10 | 2.10 | 0.70 | 0.22 | 9 | 2.17 | 0.79 | 0.26 |
| | 2 | 10 | 6.60 | 0.57 | 0.18 | 10 | 5.95 | 0.86 | 0.27 | 10 | 5.75 | 0.92 | 0.29 |
| | 3 | 10 | 10.00 | 1.05 | 0.33 | 10 | 10.10 | 1.22 | 0.39 | 10 | 10.60 | 1.24 | 0.39 |
| | 4 | 10 | 15.55 | 1.38 | 0.44 | 10 | 15.85 | 1.06 | 0.33 | 10 | 16.38 | 0.81 | 0.26 |
| 90-Minute | 5 | 10 | 21.00 | 1.51 | 0.48 | 10 | 20.85 | 1.67 | 0.53 | 10 | 21.75 | 1.46 | 0.46 |
| | 9 | 10 | 7.10 | 7.10 | 2.25 | 10 | 13.60 | 9.19 | 2.91 | 10 | 8.70 | 9.39 | 2.97 |
| | 1 | 8 | 1.75 | 0.38 | 0.13 | 10 | 2.65 | 0.75 | 0.24 | 7 | 2.29 | 0.76 | 0.29 |
| | 2 | 10 | 5.90 | 1.13 | 0.36 | 10 | 6.30 | 1.01 | 0.32 | 9 | 5.83 | 0.87 | 0.29 |
| | 3 | 10 | 10.05 | 0.96 | 0.30 | 10 | 10.70 | 0.89 | 0.28 | 10 | 10.35 | 0.63 | 0.20 |
| 300-Minute | 4 | 10 | 15.85 | 1.38 | 0.43 | 10 | 15.37 | 1.44 | 0.46 | 10 | 15.75 | 1.06 | 0.34 |
| | 5 | 10 | 21.95 | 1.98 | 0.63 | 10 | 20.60 | 1.52 | 0.48 | 10 | 20.85 | 1.56 | 0.49 |
| | 9 | 10 | 11.65 | 7.65 | 2.42 | 10 | 15.00 | 8.48 | 2.68 | 10 | 12.25 | 6.17 | 1.95 |
| | 1 | 8 | 1.87 | 0.23 | 0.08 | 9 | 2.17 | 0.87 | 0.29 | 10 | 2.55 | 0.37 | 0.12 |
| | 2 | 10 | 6.15 | 0.97 | 0.31 | 10 | 6.25 | 1.16 | 0.37 | 10 | 5.80 | 0.89 | 0.28 |
| 600-Minute | 3 | 10 | 9.90 | 0.91 | 0.29 | 10 | 10.10 | 0.70 | 0.22 | 10 | 10.60 | 1.60 | 0.50 |
| | 4 | 10 | 16.00 | 1.39 | 0.44 | 10 | 15.00 | 1.31 | 0.41 | 9 | 15.39 | 0.86 | 0.29 |
| | 5 | 10 | 20.35 | 1.86 | 0.59 | 10 | 20.40 | 1.61 | 0.51 | 10 | 20.50 | 1.11 | 0.35 |
| | 9 | 10 | 12.55 | 6.74 | 2.13 | 10 | 8.70 | 7.50 | 2.37 | 10 | 7.60 | 5.76 | 1.82 |
| | 1 | 9 | 2.11 | 0.65 | 0.22 | 10 | 2.25 | 0.49 | 0.15 | 10 | 2.30 | 0.35 | 0.11 |
| | 2 | 10 | 5.75 | 0.54 | 0.17 | 9 | 6.39 | 0.78 | 0.26 | 10 | 6.35 | 1.11 | 0.35 |
| | 3 | 10 | 9.80 | 1.46 | 0.46 | 10 | 10.55 | 1.42 | 0.45 | 10 | 11.10 | 0.91 | 0.29 |
| | 4 | 10 | 14.80 | 0.92 | 0.29 | 10 | 15.80 | 1.25 | 0.40 | 10 | 15.80 | 1.42 | 0.45 |
| | 5 | 10 | 21.75 | 2.07 | 0.66 | 10 | 22.05 | 1.69 | 0.53 | 10 | 21.10 | 2.13 | 0.67 |
| | 9 | 10 | 3.75 | 2.67 | 0.84 | 10 | 5.60 | 5.04 | 1.59 | 10 | 4.10 | 4.94 | 1.56 |
| | 1 | 3 | 2.22 | 0.10 | 0.06 | 3 | 2.22 | 0.10 | 0.06 | 3 | 2.22 | 0.10 | 0.06 |
| | 2 | 3 | 6.16 | 0.36 | 0.21 | 3 | 6.16 | 0.36 | 0.21 | 3 | 6.16 | 0.36 | 0.21 |
| | 3 | 3 | 10.48 | 0.65 | 0.38 | 3 | 10.48 | 0.65 | 0.38 | 3 | 10.48 | 0.65 | 0.38 |
| | 4 | 3 | 15.47 | 0.58 | 0.33 | 3 | 15.47 | 0.58 | 0.33 | 3 | 15.47 | 0.58 | 0.33 |
| | 5 | 3 | 21.63 | 0.49 | 0.28 | 3 | 21.63 | 0.49 | 0.28 | 3 | 21.63 | 0.49 | 0.28 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 038D DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | | |
| Baseline | 1 | 10 | 2.20 | 0.86 | 0.27 | 8 | 2.25 | 0.93 | 0.33 | 10 | 2.65 | 0.71 | 0.22 | 0.25 | 0.14 |
| | 2 | 10 | 6.10 | 1.05 | 0.33 | 10 | 5.65 | 0.78 | 0.25 | 10 | 5.55 | 0.76 | 0.24 | 0.29 | 0.17 |
| | 3 | 9 | 9.72 | 0.57 | 0.19 | 10 | 9.85 | 0.71 | 0.22 | 10 | 10.30 | 1.23 | 0.39 | 0.30 | 0.18 |
| | 4 | 10 | 15.25 | 1.50 | 0.47 | 10 | 15.85 | 1.00 | 0.32 | 10 | 15.60 | 1.33 | 0.42 | 0.30 | 0.17 |
| | 5 | 10 | 21.90 | 1.49 | 0.47 | 10 | 20.15 | 1.16 | 0.37 | 10 | 21.40 | 1.98 | 0.63 | 0.90 | 0.52 |
| | 9 | 10 | 4.10 | 2.40 | 0.76 | 10 | 9.25 | 5.54 | 1.75 | 10 | 7.20 | 6.86 | 2.17 | 2.59 | 1.50 |
| 30-Minute | 1 | 8 | 2.87 | 0.58 | 0.21 | 8 | 2.37 | 0.83 | 0.30 | 10 | 2.10 | 0.57 | 0.18 | 0.39 | 0.23 |
| | 2 | 10 | 6.20 | 0.79 | 0.25 | 10 | 5.75 | 1.01 | 0.32 | 10 | 6.05 | 1.14 | 0.36 | 0.23 | 0.13 |
| | 3 | 10 | 9.80 | 0.98 | 0.31 | 10 | 10.55 | 1.30 | 0.41 | 10 | 9.20 | 0.75 | 0.24 | 0.68 | 0.39 |
| | 4 | 10 | 16.20 | 0.82 | 0.26 | 9 | 15.22 | 1.35 | 0.45 | 10 | 15.75 | 1.25 | 0.40 | 0.49 | 0.28 |
| | 5 | 10 | 20.30 | 1.23 | 0.39 | 10 | 20.40 | 1.73 | 0.55 | 10 | 20.70 | 2.02 | 0.64 | 0.21 | 0.12 |
| | 9 | 10 | 10.75 | 7.36 | 2.33 | 10 | 4.80 | 2.08 | 0.66 | 10 | 7.10 | 7.99 | 2.53 | 3.00 | 1.73 |
| 90-Minute | 1 | 9 | 2.11 | 0.78 | 0.26 | 9 | 2.22 | 0.75 | 0.25 | 8 | 2.44 | 0.78 | 0.27 | 0.17 | 0.10 |
| | 2 | 9 | 5.72 | 0.79 | 0.26 | 10 | 5.75 | 0.95 | 0.30 | 10 | 6.15 | 0.82 | 0.26 | 0.24 | 0.14 |
| | 3 | 10 | 10.20 | 1.01 | 0.32 | 10 | 10.35 | 1.43 | 0.45 | 10 | 10.30 | 1.03 | 0.33 | 0.08 | 0.04 |
| | 4 | 10 | 15.30 | 1.40 | 0.44 | 10 | 15.80 | 1.34 | 0.42 | 10 | 14.75 | 1.14 | 0.36 | 0.53 | 0.30 |
| | 5 | 10 | 21.45 | 2.23 | 0.70 | 10 | 21.70 | 2.06 | 0.65 | 10 | 21.20 | 1.86 | 0.59 | 0.25 | 0.14 |
| | 9 | 10 | 6.75 | 3.88 | 1.23 | 10 | 10.50 | 7.98 | 2.52 | 10 | 8.70 | 6.60 | 2.09 | 1.88 | 1.08 |
| 300-Minute | 1 | 9 | 2.17 | 0.71 | 0.24 | 9 | 2.78 | 0.83 | 0.28 | 10 | 2.50 | 0.47 | 0.15 | 0.31 | 0.18 |
| | 2 | 10 | 5.85 | 0.94 | 0.30 | 9 | 5.94 | 1.29 | 0.43 | 10 | 5.35 | 0.88 | 0.28 | 0.32 | 0.18 |
| | 3 | 10 | 10.00 | 1.13 | 0.36 | 10 | 9.85 | 1.11 | 0.35 | 10 | 10.75 | 1.60 | 0.51 | 0.48 | 0.28 |
| | 4 | 10 | 16.20 | 1.30 | 0.41 | 10 | 15.25 | 1.46 | 0.46 | 9 | 15.50 | 0.94 | 0.31 | 0.49 | 0.28 |
| | 5 | 10 | 20.55 | 1.71 | 0.54 | 10 | 20.70 | 1.67 | 0.53 | 10 | 19.70 | 1.01 | 0.32 | 0.54 | 0.31 |
| | 9 | 10 | 10.75 | 5.07 | 1.60 | 10 | 11.15 | 7.70 | 2.43 | 10 | 8.95 | 5.57 | 1.76 | 1.17 | 0.68 |
| 600-Minute | 1 | 10 | 2.20 | 0.71 | 0.23 | 10 | 2.30 | 0.71 | 0.23 | 10 | 2.20 | 0.54 | 0.17 | 0.06 | 0.03 |
| | 2 | 10 | 5.70 | 0.98 | 0.31 | 8 | 5.69 | 0.46 | 0.16 | 8 | 6.19 | 0.70 | 0.25 | 0.29 | 0.16 |
| | 3 | 10 | 10.25 | 1.53 | 0.48 | 10 | 10.30 | 1.23 | 0.39 | 10 | 10.40 | 1.02 | 0.32 | 0.08 | 0.04 |
| | 4 | 10 | 15.20 | 1.25 | 0.40 | 10 | 16.00 | 1.11 | 0.35 | 10 | 15.35 | 1.49 | 0.47 | 0.43 | 0.25 |
| | 5 | 10 | 20.65 | 1.55 | 0.49 | 10 | 21.50 | 1.89 | 0.60 | 10 | 20.85 | 1.63 | 0.52 | 0.44 | 0.26 |
| | 9 | 10 | 6.10 | 5.18 | 1.64 | 10 | 3.75 | 2.46 | 0.78 | 10 | 5.50 | 6.10 | 1.93 | 1.22 | 0.70 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 038D DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|--------|-------|---------------|----|--------|---------------|-------|----|------------|--------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 35.58 | 18.67 | 5.90 | 10 | 21.93 | 11.94 | 3.77 | 10 | 25.75 | 14.94 | 4.73 |
| | 2 | 10 | 19.96 | 7.68 | 2.43 | 10 | 15.16 | 6.03 | 1.91 | 10 | 16.69 | 7.11 | 2.25 |
| | 3 | 10 | 18.69 | 7.65 | 2.42 | 10 | 24.18 | 17.70 | 5.60 | 10 | 19.66 | 13.51 | 4.27 |
| | 4 | 10 | 12.37 | 6.69 | 2.12 | 10 | 14.81 | 5.04 | 1.60 | 10 | 12.24 | 3.67 | 1.16 |
| | 5 | 10 | 16.59 | 9.98 | 3.15 | 10 | 28.62 | 12.86 | 4.07 | 10 | 25.87 | 10.03 | 3.17 |
| | 6 | 10 | 26.24 | 24.78 | 7.83 | 10 | 13.51 | 6.13 | 1.94 | 10 | 21.84 | 13.02 | 4.12 |
| | 7 | 10 | 15.73 | 12.64 | 4.00 | 10 | 35.72 | 21.65 | 6.85 | 10 | 42.37 | 18.01 | 5.69 |
| | 8 | 10 | 0.14 | 0.32 | 0.10 | 10 | 0.56 | 0.57 | 0.18 | 10 | 0.54 | 0.33 | 0.10 |
| | 9 | 10 | 103.19 | 39.02 | 12.34 | 10 | 104.70 | 35.05 | 11.08 | 10 | 100.21 | 20.72 | 6.55 |
| 30-Minute | 1 | 10 | 31.03 | 26.98 | 8.53 | 10 | 45.29 | 31.68 | 10.02 | 10 | 50.66 | 25.61 | 8.10 |
| | 2 | 10 | 20.66 | 9.87 | 3.12 | 10 | 26.43 | 12.05 | 3.81 | 10 | 47.50 | 27.71 | 8.76 |
| | 3 | 10 | 27.08 | 15.50 | 4.90 | 10 | 21.05 | 9.34 | 2.95 | 10 | 41.09 | 25.27 | 7.99 |
| | 4 | 10 | 18.18 | 6.22 | 1.97 | 10 | 19.63 | 13.05 | 4.13 | 10 | 26.68 | 17.25 | 5.46 |
| | 5 | 10 | 22.75 | 9.01 | 2.85 | 10 | 30.85 | 23.53 | 7.44 | 10 | 35.50 | 48.35 | 15.29 |
| | 6 | 10 | 11.86 | 6.89 | 2.18 | 10 | 16.45 | 19.50 | 6.17 | 10 | 21.30 | 27.05 | 8.55 |
| | 7 | 10 | 36.72 | 26.22 | 8.29 | 10 | 62.43 | 92.81 | 29.35 | 10 | 97.34 | 148.91 | 47.09 |
| | 8 | 10 | 0.83 | 1.06 | 0.34 | 10 | 1.32 | 2.37 | 0.75 | 10 | 2.04 | 3.99 | 1.26 |
| | 9 | 10 | 119.70 | 34.70 | 10.97 | 10 | 143.25 | 48.39 | 15.30 | 10 | 201.42 | 96.87 | 30.63 |
| 90-Minute | 1 | 10 | 16.96 | 7.70 | 2.43 | 10 | 23.93 | 12.27 | 3.88 | 10 | 30.46 | 22.42 | 7.09 |
| | 2 | 10 | 15.20 | 5.44 | 1.72 | 10 | 15.00 | 5.44 | 1.72 | 10 | 24.65 | 10.73 | 3.39 |
| | 3 | 10 | 24.98 | 9.02 | 2.85 | 10 | 15.56 | 5.83 | 1.84 | 10 | 26.79 | 20.37 | 6.44 |
| | 4 | 10 | 17.86 | 6.90 | 2.18 | 10 | 16.45 | 5.93 | 1.88 | 10 | 18.80 | 11.68 | 3.69 |
| | 5 | 10 | 31.86 | 18.02 | 5.70 | 10 | 27.85 | 16.77 | 5.30 | 10 | 33.43 | 17.38 | 5.50 |
| | 6 | 10 | 14.60 | 6.08 | 1.92 | 10 | 17.21 | 10.67 | 3.37 | 10 | 19.56 | 9.90 | 3.13 |
| | 7 | 10 | 50.70 | 20.30 | 6.42 | 10 | 57.31 | 49.92 | 15.79 | 10 | 67.09 | 59.36 | 18.77 |
| | 8 | 10 | 0.93 | 0.67 | 0.21 | 10 | 1.69 | 1.39 | 0.44 | 10 | 2.02 | 1.82 | 0.58 |
| | 9 | 10 | 106.86 | 28.43 | 8.99 | 10 | 98.78 | 28.90 | 9.14 | 10 | 134.13 | 57.00 | 18.02 |
| 300-Minute | 1 | 10 | 9.32 | 3.45 | 1.09 | 10 | 8.17 | 2.66 | 0.84 | 10 | 7.87 | 3.96 | 1.25 |
| | 2 | 10 | 7.34 | 2.53 | 0.80 | 10 | 8.25 | 2.64 | 0.83 | 10 | 9.41 | 4.62 | 1.46 |
| | 3 | 10 | 13.85 | 7.14 | 2.26 | 10 | 9.32 | 4.25 | 1.34 | 10 | 7.08 | 2.74 | 0.87 |
| | 4 | 10 | 11.41 | 4.24 | 1.34 | 10 | 7.88 | 3.61 | 1.14 | 10 | 8.15 | 2.15 | 0.68 |
| | 5 | 10 | 15.78 | 4.23 | 1.34 | 10 | 15.77 | 8.04 | 2.54 | 10 | 13.59 | 3.52 | 1.11 |
| | 6 | 10 | 8.85 | 4.55 | 1.44 | 10 | 6.97 | 2.94 | 0.93 | 10 | 5.30 | 2.96 | 0.94 |
| | 7 | 10 | 30.61 | 15.95 | 5.04 | 10 | 25.58 | 15.91 | 5.03 | 10 | 18.31 | 10.63 | 3.36 |
| | 8 | 10 | 0.48 | 0.33 | 0.10 | 10 | 0.38 | 0.30 | 0.09 | 10 | 0.35 | 0.39 | 0.12 |
| | 9 | 10 | 57.70 | 10.26 | 3.25 | 10 | 49.39 | 15.81 | 5.00 | 10 | 46.10 | 10.59 | 3.35 |

TASK: 89-09

DESCRIPTIVE STATISTICS FOR ANIMAL 038D DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 1 (Continued)

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|-------|---|-------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| 600-Minute | 1 | 10 | 8.70 | 3.98 | 1.26 | 10 | 19.48 | 6.52 | 2.06 | 10 | 21.04 | 12.26 | 3.88 | 3 | 16.41 | 6.72 | 3.88 |
| | 2 | 10 | 10.82 | 6.37 | 2.02 | 10 | 13.70 | 6.85 | 2.17 | 10 | 21.03 | 10.02 | 3.17 | 3 | 15.18 | 5.26 | 3.04 |
| | 3 | 10 | 11.68 | 6.23 | 1.97 | 10 | 10.43 | 4.65 | 1.47 | 10 | 11.92 | 5.34 | 1.69 | 3 | 11.34 | 0.80 | 0.46 |
| | 4 | 10 | 8.89 | 3.95 | 1.25 | 10 | 8.84 | 5.88 | 1.86 | 10 | 16.08 | 12.15 | 3.84 | 3 | 11.27 | 4.16 | 2.40 |
| | 5 | 10 | 11.00 | 5.91 | 1.87 | 10 | 9.03 | 6.17 | 1.95 | 10 | 25.49 | 19.99 | 6.32 | 3 | 15.17 | 8.99 | 5.19 |
| | 6 | 10 | 7.39 | 5.98 | 1.89 | 10 | 7.28 | 6.38 | 2.02 | 10 | 13.67 | 10.51 | 3.32 | 3 | 9.45 | 3.66 | 2.11 |
| | 7 | 10 | 23.09 | 23.90 | 7.56 | 10 | 27.28 | 29.75 | 9.41 | 10 | 73.86 | 64.44 | 20.38 | 3 | 41.41 | 28.18 | 16.27 |
| | 8 | 10 | 0.70 | 1.20 | 0.38 | 10 | 0.61 | 0.70 | 0.22 | 10 | 1.48 | 1.64 | 0.52 | 3 | 0.93 | 0.48 | 0.27 |
| | 9 | 10 | 51.09 | 18.70 | 5.91 | 10 | 61.47 | 23.71 | 7.50 | 10 | 95.55 | 47.69 | 15.08 | 3 | 69.37 | 23.26 | 13.43 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 038D DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|--------|-------|---------------|----|--------|---------------|-------|----|------------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 42.73 | 16.32 | 5.16 | 10 | 16.10 | 6.28 | 1.99 | 10 | 21.84 | 14.75 | 4.67 |
| | 2 | 10 | 33.33 | 16.47 | 5.21 | 10 | 19.09 | 7.71 | 2.44 | 10 | 20.66 | 7.97 | 2.52 |
| | 3 | 10 | 29.27 | 14.57 | 4.61 | 10 | 39.67 | 38.32 | 12.12 | 10 | 25.02 | 19.92 | 6.30 |
| | 4 | 10 | 20.33 | 8.62 | 2.73 | 10 | 20.39 | 7.02 | 2.22 | 10 | 21.95 | 10.82 | 3.42 |
| | 5 | 10 | 34.54 | 16.16 | 5.11 | 10 | 40.02 | 9.77 | 3.09 | 10 | 37.81 | 18.24 | 5.77 |
| | 6 | 10 | 33.51 | 19.67 | 6.22 | 10 | 22.76 | 13.20 | 4.17 | 10 | 22.91 | 11.16 | 3.53 |
| | 7 | 10 | 33.24 | 6.73 | 2.13 | 10 | 47.18 | 18.94 | 5.99 | 10 | 39.57 | 12.21 | 3.86 |
| | 8 | 10 | 0.47 | 0.31 | 0.10 | 10 | 0.52 | 0.38 | 0.12 | 10 | 0.33 | 0.25 | 0.08 |
| | 9 | 10 | 160.20 | 44.66 | 14.12 | 10 | 135.27 | 54.07 | 17.10 | 10 | 127.28 | 42.59 | 13.47 |
| 30-Minute | 1 | 10 | 32.92 | 25.56 | 8.08 | 10 | 57.65 | 31.50 | 9.96 | 10 | 56.30 | 21.56 | 6.82 |
| | 2 | 10 | 27.71 | 8.99 | 2.84 | 10 | 42.43 | 24.75 | 7.83 | 10 | 51.55 | 30.61 | 9.68 |
| | 3 | 10 | 44.55 | 21.98 | 6.95 | 10 | 37.71 | 25.96 | 8.21 | 10 | 39.54 | 15.33 | 4.85 |
| | 4 | 10 | 25.67 | 9.89 | 3.13 | 10 | 29.07 | 10.12 | 3.20 | 10 | 28.77 | 12.60 | 3.98 |
| | 5 | 10 | 30.07 | 12.21 | 3.86 | 10 | 51.72 | 17.23 | 5.45 | 10 | 40.16 | 17.85 | 5.64 |
| | 6 | 10 | 15.16 | 9.60 | 3.04 | 10 | 17.37 | 10.76 | 3.40 | 10 | 15.28 | 7.52 | 2.38 |
| | 7 | 10 | 39.21 | 25.56 | 8.08 | 10 | 39.77 | 20.70 | 6.54 | 10 | 38.20 | 26.55 | 8.40 |
| | 8 | 10 | 0.30 | 0.23 | 0.07 | 10 | 0.30 | 0.27 | 0.08 | 10 | 0.44 | 0.41 | 0.13 |
| | 9 | 10 | 160.92 | 51.81 | 16.38 | 10 | 218.58 | 46.83 | 14.81 | 10 | 216.33 | 49.49 | 15.65 |
| 90-Minute | 1 | 10 | 25.36 | 13.18 | 4.17 | 10 | 30.97 | 18.06 | 5.71 | 10 | 26.59 | 8.64 | 2.73 |
| | 2 | 10 | 22.16 | 9.24 | 2.92 | 10 | 26.64 | 13.48 | 4.26 | 10 | 34.68 | 22.51 | 7.12 |
| | 3 | 10 | 55.90 | 26.91 | 8.51 | 10 | 32.42 | 15.57 | 4.92 | 10 | 41.32 | 24.85 | 7.86 |
| | 4 | 10 | 34.27 | 8.85 | 2.80 | 10 | 33.64 | 15.91 | 5.03 | 10 | 27.71 | 7.36 | 2.33 |
| | 5 | 10 | 47.67 | 17.23 | 5.45 | 10 | 43.92 | 12.91 | 4.08 | 10 | 54.10 | 18.30 | 5.79 |
| | 6 | 10 | 18.49 | 7.00 | 2.21 | 10 | 21.69 | 10.66 | 3.37 | 10 | 22.54 | 5.01 | 1.58 |
| | 7 | 10 | 55.77 | 16.44 | 5.20 | 10 | 66.49 | 25.01 | 7.91 | 10 | 73.35 | 30.80 | 9.74 |
| | 8 | 10 | 1.44 | 1.01 | 0.32 | 10 | 1.64 | 0.84 | 0.26 | 10 | 1.88 | 0.92 | 0.29 |
| | 9 | 10 | 185.36 | 22.51 | 7.12 | 10 | 167.60 | 57.36 | 18.14 | 10 | 184.40 | 48.29 | 15.27 |
| 300-Minute | 1 | 10 | 6.78 | 2.51 | 0.79 | 10 | 6.53 | 2.06 | 0.65 | 10 | 8.17 | 3.38 | 1.07 |
| | 2 | 10 | 10.69 | 5.65 | 1.79 | 10 | 9.68 | 2.56 | 0.81 | 10 | 8.65 | 4.13 | 1.31 |
| | 3 | 10 | 24.32 | 13.82 | 4.37 | 10 | 11.27 | 6.04 | 1.91 | 10 | 10.24 | 5.44 | 1.72 |
| | 4 | 10 | 14.18 | 4.23 | 1.34 | 10 | 8.98 | 3.84 | 1.21 | 10 | 11.98 | 3.66 | 1.16 |
| | 5 | 10 | 19.15 | 4.90 | 1.55 | 10 | 17.38 | 5.50 | 1.74 | 10 | 18.30 | 6.02 | 1.90 |
| | 6 | 10 | 6.28 | 3.20 | 1.01 | 10 | 5.74 | 1.94 | 0.61 | 10 | 5.04 | 2.54 | 0.80 |
| | 7 | 10 | 18.77 | 7.24 | 2.29 | 10 | 13.00 | 4.48 | 1.42 | 10 | 11.01 | 2.10 | 0.66 |
| | 8 | 10 | 0.21 | 0.13 | 0.04 | 10 | 0.11 | 0.13 | 0.04 | 10 | 0.05 | 0.06 | 0.02 |
| | 9 | 10 | 75.13 | 20.54 | 6.50 | 10 | 53.83 | 10.36 | 3.28 | 10 | 57.34 | 12.36 | 3.91 |
| | 1 | 10 | 26.89 | 14.02 | 8.09 | 3 | 26.89 | 14.02 | 8.09 | 3 | 26.89 | 14.02 | 8.09 |
| | 2 | 3 | 24.36 | 7.80 | 4.51 | 3 | 24.36 | 7.80 | 4.51 | 3 | 24.36 | 7.80 | 4.51 |
| | 3 | 3 | 31.32 | 7.54 | 4.35 | 3 | 31.32 | 7.54 | 4.35 | 3 | 31.32 | 7.54 | 4.35 |
| | 4 | 3 | 20.89 | 0.92 | 0.53 | 3 | 20.89 | 0.92 | 0.53 | 3 | 20.89 | 0.92 | 0.53 |
| | 5 | 3 | 37.46 | 2.76 | 1.59 | 3 | 37.46 | 2.76 | 1.59 | 3 | 37.46 | 2.76 | 1.59 |
| | 6 | 3 | 26.39 | 6.16 | 3.56 | 3 | 26.39 | 6.16 | 3.56 | 3 | 26.39 | 6.16 | 3.56 |
| | 7 | 3 | 40.00 | 6.98 | 4.03 | 3 | 40.00 | 6.98 | 4.03 | 3 | 40.00 | 6.98 | 4.03 |
| | 8 | 3 | 0.44 | 0.10 | 0.06 | 3 | 0.44 | 0.10 | 0.06 | 3 | 0.44 | 0.10 | 0.06 |
| | 9 | 3 | 140.91 | 17.17 | 9.91 | 3 | 140.91 | 17.17 | 9.91 | 3 | 140.91 | 17.17 | 9.91 |
| | 1 | 3 | 48.96 | 13.90 | 8.03 | 3 | 48.96 | 13.90 | 8.03 | 3 | 48.96 | 13.90 | 8.03 |
| | 2 | 3 | 40.56 | 12.03 | 6.95 | 3 | 40.56 | 12.03 | 6.95 | 3 | 40.56 | 12.03 | 6.95 |
| | 3 | 3 | 40.60 | 3.54 | 2.05 | 3 | 40.60 | 3.54 | 2.05 | 3 | 40.60 | 3.54 | 2.05 |
| | 4 | 3 | 27.83 | 1.88 | 1.09 | 3 | 27.83 | 1.88 | 1.09 | 3 | 27.83 | 1.88 | 1.09 |
| | 5 | 3 | 40.65 | 10.83 | 6.26 | 3 | 40.65 | 10.83 | 6.26 | 3 | 40.65 | 10.83 | 6.26 |
| | 6 | 3 | 15.94 | 1.24 | 0.72 | 3 | 15.94 | 1.24 | 0.72 | 3 | 15.94 | 1.24 | 0.72 |
| | 7 | 3 | 39.06 | 0.80 | 0.46 | 3 | 39.06 | 0.80 | 0.46 | 3 | 39.06 | 0.80 | 0.46 |
| | 8 | 3 | 0.35 | 0.08 | 0.05 | 3 | 0.35 | 0.08 | 0.05 | 3 | 0.35 | 0.08 | 0.05 |
| | 9 | 3 | 198.61 | 32.66 | 18.86 | 3 | 198.61 | 32.66 | 18.86 | 3 | 198.61 | 32.66 | 18.86 |
| | 1 | 3 | 27.64 | 2.95 | 1.70 | 3 | 27.64 | 2.95 | 1.70 | 3 | 27.64 | 2.95 | 1.70 |
| | 2 | 3 | 27.83 | 6.35 | 3.66 | 3 | 27.83 | 6.35 | 3.66 | 3 | 27.83 | 6.35 | 3.66 |
| | 3 | 3 | 43.21 | 11.86 | 6.85 | 3 | 43.21 | 11.86 | 6.85 | 3 | 43.21 | 11.86 | 6.85 |
| | 4 | 3 | 31.87 | 3.62 | 2.09 | 3 | 31.87 | 3.62 | 2.09 | 3 | 31.87 | 3.62 | 2.09 |
| | 5 | 3 | 48.57 | 5.15 | 2.97 | 3 | 48.57 | 5.15 | 2.97 | 3 | 48.57 | 5.15 | 2.97 |
| | 6 | 3 | 20.91 | 2.14 | 1.24 | 3 | 20.91 | 2.14 | 1.24 | 3 | 20.91 | 2.14 | 1.24 |
| | 7 | 3 | 65.20 | 8.86 | 5.11 | 3 | 65.20 | 8.86 | 5.11 | 3 | 65.20 | 8.86 | 5.11 |
| | 8 | 3 | 1.65 | 0.22 | 0.13 | 3 | 1.65 | 0.22 | 0.13 | 3 | 1.65 | 0.22 | 0.13 |
| | 9 | 3 | 179.12 | 9.99 | 5.77 | 3 | 179.12 | 9.99 | 5.77 | 3 | 179.12 | 9.99 | 5.77 |
| | 1 | 3 | 7.16 | 0.88 | 0.51 | 3 | 7.16 | 0.88 | 0.51 | 3 | 7.16 | 0.88 | 0.51 |
| | 2 | 3 | 9.67 | 1.02 | 0.59 | 3 | 9.67 | 1.02 | 0.59 | 3 | 9.67 | 1.02 | 0.59 |
| | 3 | 3 | 15.28 | 7.85 | 4.53 | 3 | 15.28 | 7.85 | 4.53 | 3 | 15.28 | 7.85 | 4.53 |
| | 4 | 3 | 11.72 | 2.61 | 1.51 | 3 | 11.72 | 2.61 | 1.51 | 3 | 11.72 | 2.61 | 1.51 |
| | 5 | 3 | 18.28 | 0.89 | 0.51 | 3 | 18.28 | 0.89 | 0.51 | 3 | 18.28 | 0.89 | 0.51 |
| | 6 | 3 | 5.69 | 0.62 | 0.36 | 3 | 5.69 | 0.62 | 0.36 | 3 | 5.69 | 0.62 | 0.36 |
| | 7 | 3 | 14.26 | 4.03 | 2.33 | 3 | 14.26 | 4.03 | 2.33 | 3 | 14.26 | 4.03 | 2.33 |
| | 8 | 3 | 0.12 | 0.08 | 0.05 | 3 | 0.12 | 0.08 | 0.05 | 3 | 0.12 | 0.08 | 0.05 |
| | 9 | 3 | 62.10 | 11.42 | 6.59 | 3 | 62.10 | 11.42 | 6.59 | 3 | 62.10 | 11.42 | 6.59 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 038D DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 2 (Continued)

| Blood Draw | Freq. Band | N | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|---------------|---------------|----|--------------|-------|------|---------------|-------|------|---------------|-------|------|------------|------|------|
| | | | Mean | Std. | S.E. | Mean | Std. | S.E. | Mean | Std. | S.E. | Mean | Std. | S.E. |
| 600-Minute | 1 | 10 | 10.82 | 4.28 | 1.35 | 17.99 | 7.36 | 2.33 | 18.98 | 7.74 | 2.45 | 15.93 | 4.45 | 2.57 |
| | 2 | 10 | 16.79 | 16.07 | 5.08 | 19.58 | 8.42 | 2.66 | 18.31 | 12.26 | 3.88 | 18.22 | 1.40 | 0.81 |
| | 3 | 10 | 13.30 | 9.79 | 3.10 | 14.93 | 7.84 | 2.48 | 10.18 | 2.80 | 0.89 | 12.81 | 2.41 | 1.39 |
| | 4 | 10 | 10.93 | 5.73 | 1.81 | 10.58 | 4.63 | 1.47 | 7.90 | 3.15 | 1.00 | 9.80 | 1.66 | 0.96 |
| | 5 | 10 | 14.55 | 4.43 | 1.40 | 9.68 | 3.17 | 1.00 | 13.10 | 4.82 | 1.52 | 12.44 | 2.50 | 1.44 |
| | 6 | 10 | 7.51 | 3.12 | 0.99 | 8.65 | 3.35 | 1.06 | 10.30 | 3.79 | 1.20 | 8.82 | 1.40 | 0.81 |
| | 7 | 10 | 18.77 | 9.45 | 2.99 | 21.16 | 15.75 | 4.98 | 26.12 | 9.22 | 2.92 | 22.02 | 3.75 | 2.16 |
| | 8 | 10 | 0.25 | 0.22 | 0.07 | 0.51 | 0.64 | 0.20 | 0.54 | 0.38 | 0.12 | 0.43 | 0.15 | 0.09 |
| | 9 | 10 | 66.39 | 24.53 | 7.76 | 72.76 | 19.03 | 6.02 | 68.48 | 12.12 | 3.83 | 69.21 | 3.25 | 1.87 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 038D DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|--------|--------|---------------|----|--------|---------------|-------|----|------------|--------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 43.87 | 23.80 | 7.53 | 10 | 31.31 | 10.25 | 3.24 | 10 | 35.82 | 13.49 | 4.27 |
| | 2 | 10 | 37.61 | 13.05 | 4.13 | 10 | 24.88 | 8.86 | 2.80 | 10 | 37.05 | 11.65 | 3.68 |
| | 3 | 10 | 30.71 | 8.83 | 2.79 | 10 | 39.65 | 34.37 | 10.87 | 10 | 36.62 | 20.30 | 6.42 |
| | 4 | 10 | 30.43 | 15.14 | 4.79 | 10 | 27.90 | 10.04 | 3.18 | 10 | 26.59 | 10.63 | 3.36 |
| | 5 | 10 | 65.75 | 17.75 | 5.61 | 10 | 48.87 | 20.09 | 6.35 | 10 | 46.35 | 7.82 | 2.47 |
| | 6 | 10 | 131.76 | 64.94 | 20.54 | 10 | 59.00 | 24.32 | 7.69 | 10 | 49.56 | 19.39 | 6.13 |
| | 7 | 10 | 155.40 | 64.86 | 20.51 | 10 | 146.02 | 56.71 | 17.93 | 10 | 147.65 | 32.81 | 10.38 |
| | 8 | 10 | 2.69 | 1.80 | 0.57 | 10 | 2.12 | 1.19 | 0.38 | 10 | 3.06 | 1.15 | 0.36 |
| | 9 | 10 | 208.37 | 41.44 | 13.10 | 10 | 172.61 | 62.82 | 19.86 | 10 | 182.42 | 28.32 | 8.95 |
| 30-Minute | 1 | 10 | 40.68 | 19.12 | 6.05 | 10 | 45.14 | 20.54 | 6.50 | 10 | 54.02 | 16.71 | 5.28 |
| | 2 | 10 | 31.18 | 16.85 | 5.33 | 10 | 45.13 | 15.53 | 4.91 | 10 | 58.91 | 40.06 | 12.67 |
| | 3 | 10 | 33.71 | 14.82 | 4.69 | 10 | 37.79 | 14.62 | 4.62 | 10 | 35.24 | 15.70 | 4.96 |
| | 4 | 10 | 28.75 | 11.06 | 3.50 | 10 | 32.87 | 12.10 | 3.83 | 10 | 36.78 | 16.00 | 5.06 |
| | 5 | 10 | 45.74 | 19.96 | 6.31 | 10 | 87.59 | 36.52 | 11.55 | 10 | 79.24 | 39.35 | 12.44 |
| | 6 | 10 | 31.46 | 11.29 | 3.57 | 10 | 44.41 | 18.02 | 5.70 | 10 | 50.58 | 25.36 | 8.02 |
| | 7 | 10 | 138.29 | 109.15 | 34.52 | 10 | 226.68 | 98.72 | 31.22 | 10 | 198.09 | 131.51 | 41.59 |
| | 8 | 10 | 1.89 | 1.42 | 0.45 | 10 | 4.04 | 2.70 | 0.85 | 10 | 4.05 | 4.13 | 1.31 |
| | 9 | 10 | 180.07 | 55.62 | 17.59 | 10 | 248.51 | 37.22 | 11.77 | 10 | 264.19 | 72.45 | 22.91 |
| 90-Minute | 1 | 10 | 31.47 | 16.07 | 5.08 | 10 | 28.31 | 8.29 | 2.62 | 10 | 32.93 | 10.75 | 3.40 |
| | 2 | 10 | 31.01 | 11.85 | 3.75 | 10 | 31.28 | 12.63 | 3.99 | 10 | 54.27 | 27.23 | 8.61 |
| | 3 | 10 | 50.76 | 18.51 | 5.85 | 10 | 40.99 | 19.02 | 6.01 | 10 | 51.75 | 28.85 | 9.12 |
| | 4 | 10 | 32.00 | 11.25 | 3.56 | 10 | 33.67 | 22.11 | 6.99 | 10 | 48.89 | 26.07 | 8.24 |
| | 5 | 10 | 58.67 | 27.22 | 8.61 | 10 | 69.99 | 37.88 | 11.98 | 10 | 82.16 | 38.43 | 12.15 |
| | 6 | 10 | 37.61 | 19.64 | 6.21 | 10 | 40.89 | 23.49 | 7.43 | 10 | 50.38 | 25.65 | 8.11 |
| | 7 | 10 | 168.78 | 100.10 | 31.66 | 10 | 193.58 | 95.38 | 30.16 | 10 | 236.16 | 118.39 | 37.44 |
| | 8 | 10 | 4.13 | 4.34 | 1.37 | 10 | 4.13 | 2.59 | 0.82 | 10 | 6.35 | 5.02 | 1.59 |
| | 9 | 10 | 203.91 | 50.33 | 15.92 | 10 | 204.24 | 77.01 | 24.35 | 10 | 270.01 | 81.70 | 25.84 |
| 300-Minute | 1 | 10 | 9.07 | 3.44 | 1.09 | 10 | 10.92 | 4.20 | 1.33 | 10 | 14.27 | 7.68 | 2.43 |
| | 2 | 10 | 14.15 | 6.40 | 2.02 | 10 | 10.96 | 4.56 | 1.44 | 10 | 16.62 | 4.78 | 1.51 |
| | 3 | 10 | 29.73 | 13.98 | 4.42 | 10 | 17.78 | 13.89 | 4.39 | 10 | 15.36 | 8.51 | 2.69 |
| | 4 | 10 | 11.48 | 3.34 | 1.06 | 10 | 11.98 | 5.09 | 1.61 | 10 | 11.54 | 6.30 | 1.99 |
| | 5 | 10 | 19.23 | 5.92 | 1.87 | 10 | 17.31 | 7.57 | 2.39 | 10 | 15.27 | 4.20 | 1.33 |
| | 6 | 10 | 11.03 | 6.06 | 1.92 | 10 | 8.67 | 3.02 | 0.96 | 10 | 9.75 | 3.27 | 1.03 |
| | 7 | 10 | 41.60 | 17.28 | 5.46 | 10 | 39.72 | 15.51 | 4.90 | 10 | 42.31 | 12.06 | 3.81 |
| | 8 | 10 | 0.76 | 0.54 | 0.17 | 10 | 0.73 | 0.40 | 0.13 | 10 | 0.67 | 0.40 | 0.13 |
| | 9 | 10 | 83.65 | 22.62 | 7.15 | 10 | 68.94 | 24.39 | 7.71 | 10 | 73.06 | 15.04 | 4.76 |
| | 1 | 10 | 37.00 | 6.36 | 3.67 | 3 | 37.00 | 6.36 | 3.67 | 3 | 37.00 | 6.36 | 3.67 |
| | 2 | 10 | 33.18 | 7.19 | 4.15 | 3 | 33.18 | 7.19 | 4.15 | 3 | 33.18 | 7.19 | 4.15 |
| | 3 | 10 | 35.66 | 4.54 | 2.62 | 3 | 35.66 | 4.54 | 2.62 | 3 | 35.66 | 4.54 | 2.62 |
| | 4 | 10 | 28.31 | 1.13 | 1.09 | 3 | 28.31 | 1.13 | 1.09 | 3 | 28.31 | 1.13 | 1.09 |
| | 5 | 10 | 53.66 | 10.55 | 6.09 | 3 | 53.66 | 10.55 | 6.09 | 3 | 53.66 | 10.55 | 6.09 |
| | 6 | 10 | 80.11 | 44.98 | 25.97 | 3 | 80.11 | 44.98 | 25.97 | 3 | 80.11 | 44.98 | 25.97 |
| | 7 | 10 | 149.69 | 5.01 | 2.89 | 3 | 149.69 | 5.01 | 2.89 | 3 | 149.69 | 5.01 | 2.89 |
| | 8 | 10 | 2.62 | 0.47 | 0.27 | 3 | 2.62 | 0.47 | 0.27 | 3 | 2.62 | 0.47 | 0.27 |
| | 9 | 10 | 187.80 | 18.48 | 10.67 | 3 | 187.80 | 18.48 | 10.67 | 3 | 187.80 | 18.48 | 10.67 |
| | 1 | 10 | 46.61 | 6.79 | 3.92 | 3 | 46.61 | 6.79 | 3.92 | 3 | 46.61 | 6.79 | 3.92 |
| | 2 | 10 | 45.08 | 13.86 | 8.00 | 3 | 45.08 | 13.86 | 8.00 | 3 | 45.08 | 13.86 | 8.00 |
| | 3 | 10 | 35.58 | 2.06 | 1.19 | 3 | 35.58 | 2.06 | 1.19 | 3 | 35.58 | 2.06 | 1.19 |
| | 4 | 10 | 32.80 | 4.01 | 2.32 | 3 | 32.80 | 4.01 | 2.32 | 3 | 32.80 | 4.01 | 2.32 |
| | 5 | 10 | 70.86 | 22.15 | 12.79 | 3 | 70.86 | 22.15 | 12.79 | 3 | 70.86 | 22.15 | 12.79 |
| | 6 | 10 | 42.15 | 9.76 | 5.63 | 3 | 42.15 | 9.76 | 5.63 | 3 | 42.15 | 9.76 | 5.63 |
| | 7 | 10 | 187.69 | 45.10 | 26.04 | 3 | 187.69 | 45.10 | 26.04 | 3 | 187.69 | 45.10 | 26.04 |
| | 8 | 10 | 3.33 | 1.24 | 0.72 | 3 | 3.33 | 1.24 | 0.72 | 3 | 3.33 | 1.24 | 0.72 |
| | 9 | 10 | 230.93 | 44.73 | 25.83 | 3 | 230.93 | 44.73 | 25.83 | 3 | 230.93 | 44.73 | 25.83 |
| | 1 | 10 | 30.90 | 2.36 | 1.36 | 3 | 30.90 | 2.36 | 1.36 | 3 | 30.90 | 2.36 | 1.36 |
| | 2 | 10 | 38.85 | 13.35 | 7.71 | 3 | 38.85 | 13.35 | 7.71 | 3 | 38.85 | 13.35 | 7.71 |
| | 3 | 10 | 47.84 | 5.95 | 3.43 | 3 | 47.84 | 5.95 | 3.43 | 3 | 47.84 | 5.95 | 3.43 |
| | 4 | 10 | 38.19 | 9.31 | 5.38 | 3 | 38.19 | 9.31 | 5.38 | 3 | 38.19 | 9.31 | 5.38 |
| | 5 | 10 | 70.27 | 11.75 | 6.78 | 3 | 70.27 | 11.75 | 6.78 | 3 | 70.27 | 11.75 | 6.78 |
| | 6 | 10 | 42.96 | 6.63 | 3.83 | 3 | 42.96 | 6.63 | 3.83 | 3 | 42.96 | 6.63 | 3.83 |
| | 7 | 10 | 199.51 | 34.08 | 19.67 | 3 | 199.51 | 34.08 | 19.67 | 3 | 199.51 | 34.08 | 19.67 |
| | 8 | 10 | 4.87 | 1.28 | 0.74 | 3 | 4.87 | 1.28 | 0.74 | 3 | 4.87 | 1.28 | 0.74 |
| | 9 | 10 | 226.05 | 38.07 | 21.98 | 3 | 226.05 | 38.07 | 21.98 | 3 | 226.05 | 38.07 | 21.98 |
| | 1 | 10 | 11.42 | 2.64 | 1.52 | 3 | 11.42 | 2.64 | 1.52 | 3 | 11.42 | 2.64 | 1.52 |
| | 2 | 10 | 13.91 | 2.84 | 1.64 | 3 | 13.91 | 2.84 | 1.64 | 3 | 13.91 | 2.84 | 1.64 |
| | 3 | 10 | 20.95 | 7.69 | 4.44 | 3 | 20.95 | 7.69 | 4.44 | 3 | 20.95 | 7.69 | 4.44 |
| | 4 | 10 | 11.67 | 0.27 | 0.16 | 3 | 11.67 | 0.27 | 0.16 | 3 | 11.67 | 0.27 | 0.16 |
| | 5 | 10 | 17.27 | 1.98 | 1.14 | 3 | 17.27 | 1.98 | 1.14 | 3 | 17.27 | 1.98 | 1.14 |
| | 6 | 10 | 9.82 | 1.18 | 0.68 | 3 | 9.82 | 1.18 | 0.68 | 3 | 9.82 | 1.18 | 0.68 |
| | 7 | 10 | 41.21 | 1.34 | 0.77 | 3 | 41.21 | 1.34 | 0.77 | 3 | 41.21 | 1.34 | 0.77 |
| | 8 | 10 | 0.72 | 0.05 | 0.03 | 3 | 0.72 | 0.05 | 0.03 | 3 | 0.72 | 0.05 | 0.03 |
| | 9 | 10 | 75.22 | 7.59 | 4.38 | 3 | 75.22 | 7.59 | 4.38 | 3 | 75.22 | 7.59 | 4.38 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 038D DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 3 (Continued)

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|---------------|---------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| 600-Minute | 1 | 10 | 18.90 | 7.09 | 2.24 | 10 | 21.01 | 4.53 | 1.43 | 10 | 27.63 | 9.19 | 2.91 |
| | 2 | 10 | 22.87 | 10.99 | 3.48 | 10 | 24.45 | 16.48 | 5.21 | 10 | 23.29 | 7.84 | 2.48 |
| | 3 | 10 | 16.48 | 12.53 | 3.96 | 10 | 18.98 | 5.73 | 1.81 | 10 | 16.62 | 5.62 | 1.78 |
| | 4 | 10 | 10.65 | 4.72 | 1.49 | 10 | 11.45 | 3.90 | 1.23 | 10 | 14.53 | 5.13 | 1.62 |
| | 5 | 10 | 17.62 | 6.29 | 1.99 | 10 | 17.47 | 8.62 | 2.72 | 10 | 25.14 | 12.15 | 3.84 |
| | 6 | 10 | 14.07 | 3.21 | 1.01 | 10 | 11.71 | 4.05 | 1.28 | 10 | 17.29 | 9.15 | 2.89 |
| | 7 | 10 | 48.61 | 18.71 | 5.92 | 10 | 50.24 | 21.95 | 6.94 | 10 | 82.91 | 27.52 | 8.70 |
| | 8 | 10 | 0.76 | 1.01 | 0.32 | 10 | 1.35 | 1.43 | 0.45 | 10 | 2.21 | 1.25 | 0.40 |
| | 9 | 10 | 86.52 | 23.97 | 7.58 | 10 | 93.37 | 21.55 | 6.81 | 10 | 107.22 | 15.96 | 5.05 |
| | | | | | | | | | | | 22.52 | 4.55 | 2.63 |
| | | | | | | | | | | | 23.53 | 0.82 | 0.47 |
| | | | | | | | | | | | 17.36 | 1.41 | 0.81 |
| | | | | | | | | | | | 12.21 | 2.05 | 1.18 |
| | | | | | | | | | | | 20.08 | 4.39 | 2.53 |
| | | | | | | | | | | | 14.36 | 2.80 | 1.62 |
| | | | | | | | | | | | 60.59 | 19.35 | 11.17 |
| | | | | | | | | | | | 1.44 | 0.73 | 0.42 |
| | | | | | | | | | | | 95.70 | 10.54 | 6.09 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 038D DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|--------|-------|---------------|----|--------|---------------|-------|----|------------|--------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 45.49 | 18.47 | 5.84 | 10 | 35.52 | 11.11 | 3.51 | 10 | 46.21 | 15.21 | 4.81 |
| | 2 | 10 | 47.22 | 10.48 | 3.31 | 10 | 38.01 | 17.33 | 5.48 | 10 | 37.61 | 13.60 | 4.30 |
| | 3 | 10 | 26.10 | 10.42 | 3.29 | 10 | 48.25 | 31.99 | 10.12 | 10 | 43.86 | 19.79 | 6.26 |
| | 4 | 10 | 30.21 | 17.58 | 5.56 | 10 | 29.69 | 11.54 | 3.65 | 10 | 30.74 | 11.72 | 3.71 |
| | 5 | 10 | 41.49 | 15.42 | 4.88 | 10 | 54.44 | 13.07 | 4.13 | 10 | 53.00 | 13.58 | 4.29 |
| | 6 | 10 | 35.75 | 14.16 | 4.48 | 10 | 38.21 | 22.33 | 7.06 | 10 | 37.11 | 23.37 | 7.39 |
| | 7 | 10 | 61.24 | 46.16 | 14.60 | 10 | 118.21 | 53.75 | 17.00 | 10 | 106.63 | 41.99 | 13.28 |
| | 8 | 10 | 0.75 | 0.86 | 0.27 | 10 | 1.86 | 2.15 | 0.68 | 10 | 1.38 | 0.81 | 0.26 |
| | 9 | 10 | 190.52 | 44.52 | 14.08 | 10 | 205.91 | 60.89 | 19.26 | 10 | 211.41 | 39.58 | 12.52 |
| 30-Minute | 1 | 10 | 54.17 | 24.49 | 7.74 | 10 | 55.20 | 33.13 | 10.48 | 10 | 68.18 | 17.70 | 5.60 |
| | 2 | 10 | 49.93 | 20.24 | 6.40 | 10 | 68.15 | 36.30 | 11.48 | 10 | 70.34 | 29.49 | 9.32 |
| | 3 | 10 | 47.61 | 23.52 | 7.44 | 10 | 56.83 | 30.74 | 9.72 | 10 | 50.16 | 18.52 | 5.86 |
| | 4 | 10 | 37.89 | 12.01 | 3.80 | 10 | 28.73 | 11.01 | 3.48 | 10 | 41.42 | 28.44 | 8.99 |
| | 5 | 10 | 50.40 | 24.42 | 7.72 | 10 | 58.52 | 25.78 | 8.15 | 10 | 66.91 | 54.70 | 17.30 |
| | 6 | 10 | 34.47 | 24.04 | 7.60 | 10 | 28.81 | 27.58 | 8.72 | 10 | 34.86 | 31.96 | 10.11 |
| | 7 | 10 | 96.35 | 86.90 | 27.48 | 10 | 93.93 | 111.93 | 35.40 | 10 | 117.27 | 136.92 | 43.30 |
| | 8 | 10 | 1.24 | 1.08 | 0.34 | 10 | 1.43 | 1.76 | 0.56 | 10 | 1.74 | 2.85 | 0.90 |
| | 9 | 10 | 239.99 | 76.07 | 24.06 | 10 | 267.43 | 55.30 | 17.49 | 10 | 297.02 | 97.93 | 30.97 |
| 90-Minute | 1 | 10 | 43.11 | 28.05 | 8.87 | 10 | 39.56 | 15.34 | 4.85 | 10 | 45.15 | 21.03 | 6.65 |
| | 2 | 10 | 39.25 | 20.09 | 6.35 | 10 | 42.41 | 20.86 | 6.60 | 10 | 59.20 | 28.52 | 9.02 |
| | 3 | 10 | 49.17 | 22.96 | 7.26 | 10 | 45.95 | 25.44 | 8.05 | 10 | 45.11 | 23.32 | 7.37 |
| | 4 | 10 | 35.50 | 13.78 | 4.36 | 10 | 43.96 | 23.79 | 7.52 | 10 | 29.70 | 12.84 | 4.06 |
| | 5 | 10 | 53.91 | 26.34 | 8.33 | 10 | 59.05 | 27.74 | 8.77 | 10 | 54.09 | 20.76 | 6.57 |
| | 6 | 10 | 29.77 | 14.89 | 4.71 | 10 | 29.86 | 16.12 | 5.10 | 10 | 26.64 | 14.18 | 4.48 |
| | 7 | 10 | 109.10 | 83.41 | 26.38 | 10 | 100.25 | 42.77 | 13.52 | 10 | 100.20 | 57.50 | 18.18 |
| | 8 | 10 | 1.47 | 0.83 | 0.26 | 10 | 1.60 | 1.43 | 0.45 | 10 | 1.71 | 1.44 | 0.46 |
| | 9 | 10 | 220.94 | 57.07 | 18.05 | 10 | 230.93 | 72.82 | 23.03 | 10 | 233.25 | 48.26 | 15.26 |
| 300-Minute | 1 | 10 | 12.60 | 3.95 | 1.25 | 10 | 16.91 | 6.36 | 2.01 | 10 | 13.64 | 4.02 | 1.27 |
| | 2 | 10 | 17.90 | 7.04 | 2.23 | 10 | 13.89 | 4.23 | 1.34 | 10 | 17.46 | 5.12 | 1.62 |
| | 3 | 10 | 31.34 | 18.88 | 5.97 | 10 | 16.96 | 8.47 | 2.68 | 10 | 14.99 | 9.46 | 2.99 |
| | 4 | 10 | 20.38 | 10.75 | 3.40 | 10 | 14.67 | 7.10 | 2.24 | 10 | 13.22 | 3.85 | 1.22 |
| | 5 | 10 | 29.70 | 6.52 | 2.06 | 10 | 22.63 | 6.93 | 2.19 | 10 | 18.59 | 4.26 | 1.35 |
| | 6 | 10 | 16.37 | 9.23 | 2.92 | 10 | 11.69 | 3.75 | 1.19 | 10 | 6.66 | 2.66 | 0.84 |
| | 7 | 10 | 66.78 | 41.07 | 12.99 | 10 | 37.21 | 11.86 | 3.75 | 10 | 29.28 | 10.20 | 3.22 |
| | 8 | 10 | 0.74 | 0.41 | 0.13 | 10 | 0.43 | 0.30 | 0.10 | 10 | 0.31 | 0.16 | 0.05 |
| | 9 | 10 | 111.91 | 31.22 | 9.87 | 10 | 85.06 | 17.07 | 5.40 | 10 | 77.90 | 10.26 | 3.24 |
| | 1 | 3 | 42.41 | 5.97 | 3.45 | 3 | 42.41 | 5.97 | 3.45 | 3 | 42.41 | 5.97 | 3.45 |
| | 2 | 3 | 40.95 | 5.44 | 3.14 | 3 | 40.95 | 5.44 | 3.14 | 3 | 40.95 | 5.44 | 3.14 |
| | 3 | 3 | 39.40 | 11.73 | 6.77 | 3 | 39.40 | 11.73 | 6.77 | 3 | 39.40 | 11.73 | 6.77 |
| | 4 | 3 | 30.21 | 0.53 | 0.30 | 3 | 30.21 | 0.53 | 0.30 | 3 | 30.21 | 0.53 | 0.30 |
| | 5 | 3 | 49.64 | 7.10 | 4.10 | 3 | 49.64 | 7.10 | 4.10 | 3 | 49.64 | 7.10 | 4.10 |
| | 6 | 3 | 37.02 | 1.23 | 0.71 | 3 | 37.02 | 1.23 | 0.71 | 3 | 37.02 | 1.23 | 0.71 |
| | 7 | 3 | 95.36 | 30.11 | 17.38 | 3 | 95.36 | 30.11 | 17.38 | 3 | 95.36 | 30.11 | 17.38 |
| | 8 | 3 | 1.33 | 0.56 | 0.32 | 3 | 1.33 | 0.56 | 0.32 | 3 | 1.33 | 0.56 | 0.32 |
| | 9 | 3 | 202.61 | 10.83 | 6.25 | 3 | 202.61 | 10.83 | 6.25 | 3 | 202.61 | 10.83 | 6.25 |
| | 1 | 3 | 59.18 | 7.81 | 4.51 | 3 | 59.18 | 7.81 | 4.51 | 3 | 59.18 | 7.81 | 4.51 |
| | 2 | 3 | 62.81 | 11.21 | 6.47 | 3 | 62.81 | 11.21 | 6.47 | 3 | 62.81 | 11.21 | 6.47 |
| | 3 | 3 | 51.54 | 4.76 | 2.75 | 3 | 51.54 | 4.76 | 2.75 | 3 | 51.54 | 4.76 | 2.75 |
| | 4 | 3 | 36.01 | 6.55 | 3.78 | 3 | 36.01 | 6.55 | 3.78 | 3 | 36.01 | 6.55 | 3.78 |
| | 5 | 3 | 58.61 | 8.26 | 4.77 | 3 | 58.61 | 8.26 | 4.77 | 3 | 58.61 | 8.26 | 4.77 |
| | 6 | 3 | 32.71 | 3.38 | 1.95 | 3 | 32.71 | 3.38 | 1.95 | 3 | 32.71 | 3.38 | 1.95 |
| | 7 | 3 | 102.52 | 12.83 | 7.41 | 3 | 102.52 | 12.83 | 7.41 | 3 | 102.52 | 12.83 | 7.41 |
| | 8 | 3 | 1.47 | 0.25 | 0.15 | 3 | 1.47 | 0.25 | 0.15 | 3 | 1.47 | 0.25 | 0.15 |
| | 9 | 3 | 268.14 | 28.52 | 16.47 | 3 | 268.14 | 28.52 | 16.47 | 3 | 268.14 | 28.52 | 16.47 |
| | 1 | 3 | 42.60 | 2.83 | 1.63 | 3 | 42.60 | 2.83 | 1.63 | 3 | 42.60 | 2.83 | 1.63 |
| | 2 | 3 | 46.95 | 10.72 | 6.19 | 3 | 46.95 | 10.72 | 6.19 | 3 | 46.95 | 10.72 | 6.19 |
| | 3 | 3 | 46.75 | 2.14 | 1.24 | 3 | 46.75 | 2.14 | 1.24 | 3 | 46.75 | 2.14 | 1.24 |
| | 4 | 3 | 36.39 | 7.17 | 4.14 | 3 | 36.39 | 7.17 | 4.14 | 3 | 36.39 | 7.17 | 4.14 |
| | 5 | 3 | 55.68 | 2.92 | 1.68 | 3 | 55.68 | 2.92 | 1.68 | 3 | 55.68 | 2.92 | 1.68 |
| | 6 | 3 | 28.76 | 1.83 | 1.06 | 3 | 28.76 | 1.83 | 1.06 | 3 | 28.76 | 1.83 | 1.06 |
| | 7 | 3 | 103.18 | 5.12 | 2.96 | 3 | 103.18 | 5.12 | 2.96 | 3 | 103.18 | 5.12 | 2.96 |
| | 8 | 3 | 1.59 | 0.12 | 0.07 | 3 | 1.59 | 0.12 | 0.07 | 3 | 1.59 | 0.12 | 0.07 |
| | 9 | 3 | 228.37 | 6.54 | 3.78 | 3 | 228.37 | 6.54 | 3.78 | 3 | 228.37 | 6.54 | 3.78 |
| | 1 | 3 | 14.38 | 2.25 | 1.30 | 3 | 14.38 | 2.25 | 1.30 | 3 | 14.38 | 2.25 | 1.30 |
| | 2 | 3 | 16.42 | 2.20 | 1.27 | 3 | 16.42 | 2.20 | 1.27 | 3 | 16.42 | 2.20 | 1.27 |
| | 3 | 3 | 21.10 | 8.93 | 5.15 | 3 | 21.10 | 8.93 | 5.15 | 3 | 21.10 | 8.93 | 5.15 |
| | 4 | 3 | 16.09 | 3.79 | 2.19 | 3 | 16.09 | 3.79 | 2.19 | 3 | 16.09 | 3.79 | 2.19 |
| | 5 | 3 | 23.64 | 5.62 | 3.25 | 3 | 23.64 | 5.62 | 3.25 | 3 | 23.64 | 5.62 | 3.25 |
| | 6 | 3 | 11.57 | 4.86 | 2.81 | 3 | 11.57 | 4.86 | 2.81 | 3 | 11.57 | 4.86 | 2.81 |
| | 7 | 3 | 44.42 | 19.76 | 11.41 | 3 | 44.42 | 19.76 | 11.41 | 3 | 44.42 | 19.76 | 11.41 |
| | 8 | 3 | 0.49 | 0.23 | 0.13 | 3 | 0.49 | 0.23 | 0.13 | 3 | 0.49 | 0.23 | 0.13 |
| | 9 | 3 | 91.63 | 17.93 | 10.35 | 3 | 91.63 | 17.93 | 10.35 | 3 | 91.63 | 17.93 | 10.35 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 038D DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 4 (Continued)

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|---------------|---------------|--------------|--------|-------|---------------|----|--------|---------------|-------|----|------------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| 600-Minute | 1 | 10 | 26.22 | 14.21 | 4.49 | 10 | 42.19 | 19.11 | 6.04 | 10 | 39.12 | 15.95 | 5.04 |
| | 2 | 10 | 27.83 | 12.22 | 3.86 | 10 | 35.29 | 10.10 | 3.19 | 10 | 31.76 | 14.44 | 4.57 |
| | 3 | 10 | 19.06 | 11.56 | 3.65 | 10 | 27.30 | 9.07 | 2.87 | 10 | 21.26 | 8.71 | 2.75 |
| | 4 | 10 | 15.47 | 8.54 | 2.70 | 10 | 18.46 | 13.34 | 4.22 | 10 | 18.62 | 8.68 | 2.75 |
| | 5 | 10 | 21.77 | 12.64 | 4.00 | 10 | 15.39 | 9.64 | 3.05 | 10 | 25.92 | 17.30 | 5.47 |
| | 6 | 10 | 13.40 | 8.36 | 2.64 | 10 | 15.19 | 13.51 | 4.27 | 10 | 17.61 | 11.12 | 3.52 |
| | 7 | 10 | 39.59 | 35.83 | 11.33 | 10 | 35.97 | 27.45 | 8.68 | 10 | 70.21 | 57.71 | 18.25 |
| | 8 | 10 | 0.72 | 1.30 | 0.41 | 10 | 1.06 | 1.30 | 0.41 | 10 | 1.56 | 1.82 | 0.58 |
| | 9 | 10 | 110.35 | 28.87 | 9.13 | 10 | 138.62 | 31.83 | 10.06 | 10 | 136.68 | 28.82 | 9.11 |
| | | | | | | | | | | | 35.85 | 8.47 | 4.89 |
| | | | | | | | | | | | 31.63 | 3.73 | 2.15 |
| | | | | | | | | | | | 22.54 | 4.26 | 2.46 |
| | | | | | | | | | | | 17.52 | 1.77 | 1.02 |
| | | | | | | | | | | | 21.03 | 5.30 | 3.06 |
| | | | | | | | | | | | 15.40 | 2.11 | 1.22 |
| | | | | | | | | | | | 48.59 | 18.81 | 10.86 |
| | | | | | | | | | | | 1.11 | 0.42 | 0.24 |
| | | | | | | | | | | | 128.55 | 15.79 | 9.12 |

PARAMETER = Percent Power
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | | Windows 11-20 | | | | Windows 21-30 | | | | Grand Mean | | | |
|------------|------------|--------------|-------|-------|------|---------------|-------|------|------|---------------|-------|-------|------|------------|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| 300-Minute | 1 | 10 | 40.08 | 13.73 | 4.34 | 10 | 40.85 | 9.12 | 2.88 | 10 | 39.05 | 15.90 | 5.03 | 3 | 39.99 | 0.90 | 0.52 |
| | 2 | 10 | 17.44 | 7.97 | 2.52 | 10 | 13.14 | 7.97 | 2.52 | 10 | 13.15 | 5.31 | 1.68 | 3 | 14.58 | 2.48 | 1.43 |
| | 3 | 10 | 12.46 | 4.39 | 1.39 | 10 | 13.66 | 4.10 | 1.30 | 10 | 12.31 | 4.66 | 1.47 | 3 | 12.81 | 0.74 | 0.43 |
| | 4 | 10 | 9.50 | 4.39 | 1.39 | 10 | 13.22 | 6.12 | 1.93 | 10 | 13.46 | 4.76 | 1.51 | 3 | 12.06 | 2.22 | 1.28 |
| | 5 | 10 | 20.51 | 13.62 | 4.31 | 10 | 19.14 | 7.72 | 2.44 | 10 | 22.10 | 11.21 | 3.55 | 3 | 20.58 | 1.48 | 0.85 |
| 600-Minute | 1 | 10 | 24.41 | 12.82 | 4.05 | 10 | 17.70 | 7.13 | 2.25 | 10 | 34.11 | 14.44 | 4.57 | 3 | 25.41 | 8.25 | 4.76 |
| | 2 | 10 | 11.88 | 3.20 | 1.01 | 10 | 15.67 | 4.57 | 1.45 | 10 | 17.67 | 9.29 | 2.94 | 3 | 15.08 | 2.94 | 1.70 |
| | 3 | 10 | 18.30 | 4.81 | 1.52 | 10 | 14.15 | 2.78 | 0.88 | 10 | 14.49 | 4.89 | 1.55 | 3 | 15.64 | 2.31 | 1.33 |
| | 4 | 10 | 17.25 | 5.25 | 1.66 | 10 | 19.44 | 7.31 | 2.31 | 10 | 11.69 | 4.39 | 1.39 | 3 | 16.12 | 3.99 | 2.31 |
| | 5 | 10 | 28.16 | 9.14 | 2.89 | 10 | 33.05 | 9.44 | 2.99 | 10 | 22.04 | 9.40 | 2.97 | 3 | 27.75 | 5.52 | 3.18 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 038D DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | |
| 300-Minute | 1 | 10 | 29.67 | 12.96 | 4.10 | 10 | 25.40 | 12.60 | 3.98 | 10 | 17.98 | 9.15 | 2.89 | 3.41 |
| | 2 | 10 | 25.78 | 12.19 | 3.85 | 10 | 18.66 | 3.54 | 1.12 | 10 | 25.16 | 16.70 | 5.28 | 2.28 |
| | 3 | 10 | 14.52 | 7.03 | 2.22 | 10 | 16.84 | 6.38 | 2.02 | 10 | 15.18 | 5.97 | 1.89 | 0.69 |
| | 4 | 10 | 9.99 | 3.53 | 1.12 | 10 | 15.84 | 7.58 | 2.40 | 10 | 11.05 | 4.93 | 1.56 | 1.80 |
| | 5 | 10 | 20.04 | 10.09 | 3.19 | 10 | 23.25 | 6.80 | 2.15 | 10 | 28.94 | 15.57 | 4.92 | 2.60 |
| 600-Minute | 1 | 10 | 27.02 | 11.00 | 3.48 | 10 | 18.41 | 4.12 | 1.30 | 10 | 27.96 | 9.07 | 2.87 | 3.04 |
| | 2 | 10 | 16.12 | 7.60 | 2.40 | 10 | 15.27 | 6.96 | 2.20 | 10 | 15.76 | 7.40 | 2.34 | 0.25 |
| | 3 | 10 | 17.81 | 5.42 | 1.71 | 10 | 17.15 | 5.23 | 1.65 | 10 | 13.56 | 4.87 | 1.54 | 1.32 |
| | 4 | 10 | 15.60 | 4.98 | 1.58 | 10 | 12.37 | 3.24 | 1.02 | 10 | 14.21 | 6.68 | 2.11 | 0.94 |
| | 5 | 10 | 23.46 | 14.13 | 4.47 | 10 | 36.81 | 8.43 | 2.67 | 10 | 28.51 | 12.21 | 3.86 | 3.89 |

PARAMETER = Percent Power
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| 300-Minute | 1 | 10 | 19.60 | 6.22 | 1.97 | 10 | 24.74 | 7.23 | 2.29 | 10 | 30.36 | 10.12 | 3.20 | 3 | 24.90 | 5.38 | 3.11 |
| | 2 | 10 | 16.68 | 5.60 | 1.77 | 10 | 12.86 | 3.31 | 1.05 | 10 | 16.78 | 5.31 | 1.68 | 3 | 15.44 | 2.24 | 1.29 |
| | 3 | 10 | 19.31 | 6.87 | 2.17 | 10 | 18.13 | 3.96 | 1.25 | 10 | 14.61 | 4.79 | 1.51 | 3 | 17.35 | 2.44 | 1.41 |
| | 4 | 10 | 14.20 | 3.89 | 1.23 | 10 | 15.17 | 5.74 | 1.82 | 10 | 11.40 | 3.13 | 0.99 | 3 | 13.59 | 1.96 | 1.13 |
| | 5 | 10 | 30.21 | 7.61 | 2.41 | 10 | 29.10 | 6.06 | 1.91 | 10 | 28.19 | 8.67 | 2.74 | 3 | 29.17 | 1.01 | 0.58 |
| 600-Minute | 1 | 10 | 31.23 | 10.51 | 3.32 | 10 | 19.42 | 6.14 | 1.94 | 10 | 24.63 | 10.31 | 3.26 | 3 | 25.09 | 5.92 | 3.42 |
| | 2 | 10 | 15.71 | 4.76 | 1.50 | 10 | 17.90 | 5.30 | 1.68 | 10 | 20.36 | 7.54 | 2.38 | 3 | 17.99 | 2.33 | 1.34 |
| | 3 | 10 | 18.14 | 5.16 | 1.63 | 10 | 18.63 | 3.60 | 1.14 | 10 | 17.58 | 6.20 | 1.96 | 3 | 18.12 | 0.53 | 0.30 |
| | 4 | 10 | 11.32 | 4.71 | 1.49 | 10 | 18.14 | 6.43 | 2.03 | 10 | 12.61 | 4.35 | 1.38 | 3 | 14.02 | 3.63 | 2.00 |
| | 5 | 10 | 23.61 | 8.22 | 2.60 | 10 | 25.91 | 3.29 | 1.04 | 10 | 24.82 | 10.17 | 3.22 | 3 | 24.78 | 1.15 | 0.66 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 038D DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| 300-Minute | 1 | 10 | 35.28 | 12.19 | 3.86 | 10 | 30.39 | 12.75 | 4.03 | 10 | 42.39 | 16.46 | 5.20 |
| | 2 | 10 | 19.38 | 6.50 | 2.06 | 10 | 17.71 | 7.62 | 2.41 | 10 | 15.01 | 5.33 | 1.69 |
| | 3 | 10 | 14.84 | 6.38 | 2.02 | 10 | 14.72 | 5.63 | 1.78 | 10 | 13.62 | 5.15 | 1.63 |
| | 4 | 10 | 10.39 | 4.18 | 1.32 | 10 | 11.21 | 3.86 | 1.22 | 10 | 10.79 | 5.43 | 1.72 |
| | 5 | 10 | 20.11 | 7.50 | 2.37 | 10 | 25.98 | 9.33 | 2.95 | 10 | 20.70 | 6.11 | 1.93 |
| 600-Minute | 1 | 10 | 32.62 | 11.96 | 3.78 | 10 | 23.74 | 11.06 | 3.50 | 10 | 34.53 | 9.02 | 2.85 |
| | 2 | 10 | 15.30 | 4.64 | 1.47 | 10 | 16.70 | 5.79 | 1.83 | 10 | 20.25 | 10.75 | 3.40 |
| | 3 | 10 | 15.83 | 3.98 | 1.26 | 10 | 17.39 | 3.37 | 1.07 | 10 | 13.39 | 4.78 | 1.51 |
| | 4 | 10 | 10.85 | 3.36 | 1.06 | 10 | 13.54 | 4.14 | 1.31 | 10 | 13.28 | 7.32 | 2.31 |
| | 5 | 10 | 25.41 | 9.15 | 2.89 | 10 | 28.63 | 9.01 | 2.85 | 10 | 18.54 | 7.52 | 2.38 |
| | | | | | | | | | | | 30.30 | 5.76 | 3.33 |
| | | | | | | | | | | | 17.42 | 2.55 | 1.47 |
| | | | | | | | | | | | 15.54 | 2.02 | 1.16 |
| | | | | | | | | | | | 12.55 | 1.48 | 0.86 |
| | | | | | | | | | | | 24.19 | 5.15 | 2.98 |

PARAMETER = Mean Frequency
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| 300-Minute | 1 | 10 | 1.80 | 0.34 | 0.11 | 10 | 1.67 | 0.30 | 0.10 | 10 | 1.82 | 0.35 | 0.11 | 3 | 1.76 | 0.08 | 0.05 |
| | 2 | 10 | 5.72 | 0.29 | 0.09 | 10 | 5.61 | 0.25 | 0.08 | 10 | 5.45 | 0.21 | 0.07 | 3 | 5.59 | 0.13 | 0.08 |
| | 3 | 10 | 10.14 | 0.28 | 0.09 | 10 | 10.26 | 0.28 | 0.09 | 10 | 10.26 | 0.51 | 0.16 | 3 | 10.22 | 0.07 | 0.04 |
| | 4 | 10 | 15.11 | 0.31 | 0.10 | 10 | 15.31 | 0.35 | 0.11 | 10 | 15.58 | 0.28 | 0.09 | 3 | 15.34 | 0.24 | 0.14 |
| | 5 | 10 | 21.22 | 0.45 | 0.14 | 10 | 21.05 | 0.45 | 0.11 | 10 | 21.03 | 0.95 | 0.30 | 3 | 21.10 | 0.10 | 0.06 |
| | 9 | 10 | 8.78 | 2.76 | 0.87 | 10 | 8.89 | 1.74 | 0.55 | 10 | 9.45 | 2.89 | 0.91 | 3 | 9.04 | 0.36 | 0.21 |
| 600-Minute | 1 | 10 | 2.02 | 0.25 | 0.08 | 10 | 2.06 | 0.33 | 0.11 | 10 | 1.87 | 0.26 | 0.08 | 3 | 1.98 | 0.10 | 0.06 |
| | 2 | 10 | 5.59 | 0.30 | 0.09 | 10 | 5.64 | 0.32 | 0.10 | 10 | 5.65 | 0.28 | 0.09 | 3 | 5.63 | 0.03 | 0.02 |
| | 3 | 10 | 10.30 | 0.42 | 0.13 | 10 | 10.21 | 0.37 | 0.12 | 10 | 10.39 | 0.45 | 0.14 | 3 | 10.30 | 0.09 | 0.05 |
| | 4 | 10 | 15.37 | 0.63 | 0.20 | 10 | 15.50 | 0.27 | 0.09 | 10 | 15.24 | 0.39 | 0.12 | 3 | 15.37 | 0.13 | 0.07 |
| | 5 | 10 | 21.09 | 0.56 | 0.18 | 10 | 21.08 | 0.42 | 0.13 | 10 | 21.37 | 0.47 | 0.15 | 3 | 21.18 | 0.16 | 0.09 |
| | 9 | 10 | 11.65 | 2.19 | 0.69 | 10 | 12.69 | 1.70 | 0.54 | 10 | 9.59 | 2.30 | 0.73 | 3 | 11.31 | 1.58 | 0.91 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 038D DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| 300-Minute | 1 | 10 | 1.99 | 0.27 | 0.09 | 10 | 1.79 | 0.17 | 0.05 | 10 | 1.71 | 0.38 | 0.12 | 3 | 1.83 | 0.14 | 0.08 |
| | 2 | 10 | 5.52 | 0.38 | 0.12 | 10 | 5.52 | 0.26 | 0.08 | 10 | 5.59 | 0.33 | 0.10 | 3 | 5.55 | 0.04 | 0.02 |
| | 3 | 10 | 9.85 | 0.27 | 0.09 | 10 | 9.94 | 0.48 | 0.15 | 10 | 10.06 | 0.29 | 0.09 | 3 | 9.95 | 0.10 | 0.06 |
| | 4 | 10 | 15.23 | 0.34 | 0.11 | 10 | 15.50 | 0.31 | 0.10 | 10 | 15.19 | 0.31 | 0.10 | 3 | 15.31 | 0.17 | 0.10 |
| | 5 | 10 | 21.35 | 0.49 | 0.15 | 10 | 21.44 | 0.29 | 0.09 | 10 | 21.55 | 0.45 | 0.14 | 3 | 21.45 | 0.10 | 0.06 |
| | 9 | 10 | 9.09 | 2.06 | 0.65 | 10 | 10.31 | 2.19 | 0.69 | 10 | 9.03 | 2.00 | 0.63 | 3 | 9.48 | 0.72 | 0.42 |
| 600-Minute | 1 | 10 | 1.94 | 0.14 | 0.04 | 10 | 2.02 | 0.21 | 0.07 | 10 | 1.89 | 0.32 | 0.10 | 3 | 1.95 | 0.06 | 0.04 |
| | 2 | 10 | 5.58 | 0.37 | 0.12 | 10 | 5.61 | 0.50 | 0.16 | 10 | 5.62 | 0.30 | 0.10 | 3 | 5.60 | 0.02 | 0.01 |
| | 3 | 10 | 10.08 | 0.21 | 0.07 | 10 | 10.19 | 0.49 | 0.16 | 10 | 9.71 | 0.48 | 0.15 | 3 | 9.99 | 0.25 | 0.14 |
| | 4 | 10 | 15.36 | 0.51 | 0.16 | 10 | 15.51 | 0.25 | 0.08 | 10 | 15.35 | 0.41 | 0.13 | 3 | 15.40 | 0.09 | 0.05 |
| | 5 | 10 | 21.03 | 0.64 | 0.20 | 10 | 21.46 | 0.39 | 0.12 | 10 | 21.15 | 0.42 | 0.13 | 3 | 21.21 | 0.22 | 0.13 |
| | 9 | 10 | 10.10 | 2.01 | 0.63 | 10 | 11.42 | 1.79 | 0.57 | 10 | 9.01 | 1.51 | 0.48 | 3 | 10.18 | 1.21 | 0.70 |

PARAMETER = Peak Frequency
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| 300-Minute | 1 | 9 | 2.39 | 0.78 | 0.26 | 5 | 2.70 | 0.84 | 0.37 | 7 | 2.71 | 1.04 | 0.39 | 3 | 2.60 | 0.18 | 0.11 |
| | 2 | 10 | 6.55 | 0.83 | 0.26 | 9 | 6.11 | 0.93 | 0.31 | 9 | 5.56 | 0.68 | 0.23 | 3 | 6.07 | 0.50 | 0.29 |
| | 3 | 10 | 11.05 | 1.01 | 0.32 | 10 | 10.60 | 1.20 | 0.38 | 9 | 10.50 | 1.50 | 0.50 | 3 | 10.72 | 0.29 | 0.17 |
| | 4 | 9 | 14.78 | 1.30 | 0.43 | 10 | 15.90 | 1.10 | 0.35 | 9 | 15.28 | 1.46 | 0.49 | 3 | 15.32 | 0.56 | 0.32 |
| | 5 | 10 | 21.75 | 1.70 | 0.54 | 10 | 20.60 | 1.65 | 0.52 | 10 | 21.60 | 2.54 | 0.80 | 3 | 21.32 | 0.63 | 0.36 |
| | 9 | 10 | 8.10 | 9.46 | 2.99 | 10 | 9.85 | 6.94 | 2.19 | 10 | 12.40 | 8.52 | 2.69 | 3 | 10.12 | 2.16 | 1.25 |
| | 1 | 7 | 2.57 | 0.79 | 0.30 | 8 | 2.44 | 0.82 | 0.29 | 7 | 2.29 | 0.70 | 0.26 | 3 | 2.43 | 0.14 | 0.08 |
| | 2 | 10 | 5.85 | 1.00 | 0.32 | 10 | 6.00 | 1.08 | 0.34 | 10 | 5.95 | 0.98 | 0.31 | 3 | 5.93 | 0.08 | 0.04 |
| | 3 | 10 | 10.40 | 1.43 | 0.45 | 10 | 10.65 | 0.88 | 0.28 | 10 | 10.85 | 1.43 | 0.45 | 3 | 10.63 | 0.23 | 0.13 |
| 600-Minute | 4 | 10 | 15.50 | 1.05 | 0.33 | 10 | 16.60 | 0.84 | 0.27 | 10 | 15.50 | 1.03 | 0.32 | 3 | 15.87 | 0.64 | 0.37 |
| | 5 | 10 | 21.40 | 1.65 | 0.52 | 10 | 21.40 | 1.85 | 0.59 | 10 | 21.60 | 1.65 | 0.52 | 3 | 21.47 | 0.12 | 0.07 |
| | 9 | 10 | 11.95 | 7.64 | 2.41 | 10 | 17.70 | 5.29 | 1.67 | 10 | 9.25 | 8.61 | 2.72 | 3 | 12.97 | 4.32 | 2.49 |

PARAMETER = Peak Frequency
CHANNEL = 2

[illegible]

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 038D DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | | | | |
| 300-Minute | 1 | 10 | 2.65 | 0.85 | 0.27 | 6 | 2.58 | 0.86 | 0.35 | 5 | 3.20 | 0.45 | 0.20 | 3 | 2.81 | 0.34 | 0.20 |
| | 2 | 10 | 5.90 | 0.81 | 0.26 | 9 | 6.17 | 0.75 | 0.25 | 10 | 5.95 | 0.96 | 0.30 | 3 | 6.01 | 0.14 | 0.08 |
| | 3 | 10 | 9.75 | 1.14 | 0.36 | 10 | 10.50 | 1.37 | 0.43 | 10 | 10.20 | 1.16 | 0.37 | 3 | 10.15 | 0.38 | 0.22 |
| | 4 | 9 | 15.11 | 1.08 | 0.36 | 9 | 15.61 | 1.24 | 0.41 | 10 | 15.40 | 1.56 | 0.49 | 3 | 15.37 | 0.25 | 0.14 |
| | 5 | 10 | 22.05 | 1.66 | 0.52 | 10 | 22.75 | 0.92 | 0.29 | 10 | 22.00 | 1.91 | 0.61 | 3 | 22.27 | 0.42 | 0.24 |
| | 9 | 10 | 4.20 | 2.41 | 0.76 | 10 | 16.70 | 9.86 | 3.12 | 10 | 12.80 | 8.10 | 2.56 | 3 | 11.23 | 6.40 | 3.69 |
| 600-Minute | 1 | 9 | 2.44 | 0.68 | 0.23 | 9 | 2.39 | 0.78 | 0.26 | 7 | 2.43 | 0.35 | 0.13 | 3 | 2.42 | 0.03 | 0.02 |
| | 2 | 9 | 5.92 | 0.87 | 0.29 | 8 | 5.31 | 0.80 | 0.28 | 10 | 5.45 | 0.90 | 0.28 | 3 | 5.56 | 0.32 | 0.18 |
| | 3 | 10 | 10.00 | 1.20 | 0.38 | 10 | 10.35 | 0.97 | 0.31 | 10 | 9.80 | 1.18 | 0.37 | 3 | 10.05 | 0.28 | 0.16 |
| | 4 | 10 | 15.75 | 1.27 | 0.40 | 10 | 15.95 | 1.23 | 0.39 | 10 | 15.85 | 1.27 | 0.40 | 3 | 15.85 | 0.10 | 0.06 |
| | 5 | 10 | 20.80 | 2.11 | 0.67 | 10 | 22.55 | 2.01 | 0.63 | 10 | 21.55 | 2.06 | 0.65 | 3 | 21.63 | 0.88 | 0.51 |
| | 9 | 10 | 6.90 | 8.10 | 2.56 | 10 | 11.25 | 8.58 | 2.71 | 10 | 7.30 | 6.89 | 2.18 | 3 | 8.48 | 2.40 | 1.39 |

PARAMETER = Total Power
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | | Windows 11-20 | | | | Windows 21-30 | | | | Grand Mean | | | |
|------------|------------|--------------|--------|--------|-------|---------------|--------|-------|------|---------------|--------|--------|-------|------------|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| 300-Minute | 1 | 10 | 59.58 | 31.22 | 9.87 | 10 | 39.57 | 23.89 | 7.56 | 10 | 38.40 | 26.76 | 8.46 | 3 | 45.85 | 11.90 | 6.87 |
| | 2 | 10 | 55.83 | 44.94 | 14.21 | 10 | 28.50 | 6.47 | 2.05 | 10 | 50.13 | 32.19 | 10.18 | 3 | 44.82 | 14.42 | 8.32 |
| | 3 | 10 | 26.38 | 10.37 | 3.28 | 10 | 25.48 | 9.59 | 3.03 | 10 | 30.84 | 15.18 | 4.80 | 3 | 27.57 | 2.87 | 1.66 |
| | 4 | 10 | 18.03 | 5.01 | 1.58 | 10 | 23.83 | 11.52 | 3.64 | 10 | 22.05 | 10.82 | 3.42 | 3 | 21.30 | 2.97 | 1.72 |
| | 5 | 10 | 36.31 | 13.69 | 4.33 | 10 | 35.33 | 10.67 | 3.37 | 10 | 57.56 | 30.40 | 9.61 | 3 | 43.07 | 12.56 | 7.25 |
| | 6 | 10 | 17.50 | 5.37 | 1.70 | 10 | 19.86 | 8.83 | 2.79 | 10 | 57.98 | 51.09 | 16.16 | 3 | 31.78 | 22.72 | 13.12 |
| | 7 | 10 | 56.11 | 15.31 | 4.84 | 10 | 50.70 | 15.92 | 5.03 | 10 | 120.01 | 115.60 | 36.56 | 3 | 75.61 | 38.55 | 22.26 |
| | 8 | 10 | 0.45 | 0.33 | 0.11 | 10 | 0.33 | 0.29 | 0.09 | 10 | 1.55 | 2.08 | 0.66 | 3 | 0.78 | 0.67 | 0.39 |
| | 9 | 10 | 196.12 | 66.42 | 21.00 | 10 | 152.71 | 20.99 | 6.64 | 10 | 203.42 | 49.78 | 15.74 | 3 | 184.08 | 27.41 | 15.83 |
| 600-Minute | 1 | 10 | 50.77 | 23.32 | 7.37 | 10 | 22.10 | 5.58 | 1.77 | 10 | 54.40 | 25.63 | 8.10 | 3 | 42.43 | 17.69 | 10.22 |
| | 2 | 10 | 30.94 | 16.28 | 5.15 | 10 | 19.34 | 12.11 | 3.83 | 10 | 28.98 | 13.32 | 4.21 | 3 | 26.42 | 6.21 | 3.58 |
| | 3 | 10 | 34.49 | 12.84 | 4.06 | 10 | 21.61 | 10.49 | 3.32 | 10 | 25.14 | 9.42 | 2.98 | 3 | 27.08 | 6.66 | 3.84 |
| | 4 | 10 | 33.40 | 22.83 | 7.22 | 10 | 15.34 | 6.34 | 2.00 | 10 | 26.03 | 10.46 | 3.31 | 3 | 24.92 | 9.08 | 5.24 |
| | 5 | 10 | 58.09 | 60.28 | 19.06 | 10 | 44.60 | 11.67 | 3.69 | 10 | 54.75 | 27.66 | 8.75 | 3 | 52.48 | 7.02 | 4.06 |
| | 6 | 10 | 54.62 | 68.95 | 21.80 | 10 | 29.52 | 16.13 | 5.10 | 10 | 22.18 | 12.99 | 4.11 | 3 | 35.44 | 17.01 | 9.82 |
| | 7 | 10 | 142.35 | 152.37 | 48.18 | 10 | 80.71 | 19.62 | 6.20 | 10 | 87.69 | 33.47 | 10.58 | 3 | 103.58 | 33.75 | 19.49 |
| | 8 | 10 | 1.80 | 2.43 | 0.77 | 10 | 1.36 | 0.52 | 0.16 | 10 | 1.28 | 0.60 | 0.19 | 3 | 1.48 | 0.28 | 0.16 |
| | 9 | 10 | 207.69 | 110.72 | 35.01 | 10 | 122.99 | 28.44 | 8.99 | 10 | 189.30 | 52.72 | 16.67 | 3 | 173.33 | 44.55 | 25.72 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
 TASK: 89-09
 DESCRIPTIVE STATISTICS FOR ANIMAL 038D DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Total Power
 CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|--------|--------|---------------|----|--------|---------------|-------|----|------------|--------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| 300-Minute | 1 | 10 | 80.64 | 31.36 | 9.92 | 10 | 95.69 | 42.30 | 13.38 | 10 | 136.85 | 74.10 | 23.43 |
| | 2 | 10 | 70.30 | 35.14 | 11.11 | 10 | 49.58 | 20.03 | 6.33 | 10 | 71.75 | 25.87 | 8.18 |
| | 3 | 10 | 78.44 | 30.62 | 9.68 | 10 | 69.28 | 25.79 | 8.15 | 10 | 66.60 | 33.91 | 10.72 |
| | 4 | 10 | 58.80 | 23.98 | 7.58 | 10 | 59.03 | 30.66 | 9.70 | 10 | 53.16 | 26.79 | 8.47 |
| | 5 | 10 | 122.92 | 40.57 | 12.83 | 10 | 108.52 | 26.84 | 8.49 | 10 | 133.61 | 65.75 | 20.79 |
| | 6 | 10 | 73.82 | 28.74 | 9.09 | 10 | 86.90 | 32.80 | 10.37 | 10 | 108.91 | 82.44 | 26.07 |
| | 7 | 10 | 460.93 | 128.24 | 40.55 | 10 | 448.65 | 154.88 | 48.98 | 10 | 474.05 | 275.07 | 86.99 |
| | 8 | 10 | 9.20 | 3.77 | 1.19 | 10 | 10.70 | 4.31 | 1.36 | 10 | 8.78 | 6.36 | 2.01 |
| | 9 | 10 | 411.11 | 113.59 | 35.92 | 10 | 382.09 | 109.39 | 34.59 | 10 | 451.74 | 168.52 | 53.29 |
| 600-Minute | 1 | 10 | 149.17 | 62.15 | 19.65 | 10 | 95.07 | 34.49 | 10.91 | 10 | 131.45 | 51.50 | 16.29 |
| | 2 | 10 | 74.55 | 34.74 | 10.99 | 10 | 88.15 | 28.78 | 9.10 | 10 | 109.30 | 33.78 | 10.68 |
| | 3 | 10 | 92.23 | 53.93 | 17.05 | 10 | 92.03 | 25.65 | 8.11 | 10 | 96.59 | 40.92 | 12.94 |
| | 4 | 10 | 57.89 | 34.73 | 10.98 | 10 | 86.30 | 25.78 | 8.15 | 10 | 70.97 | 30.45 | 9.63 |
| | 5 | 10 | 125.43 | 84.59 | 26.75 | 10 | 128.59 | 35.22 | 11.14 | 10 | 138.86 | 65.56 | 20.73 |
| | 6 | 10 | 102.97 | 70.76 | 22.38 | 10 | 132.09 | 42.94 | 13.58 | 10 | 78.64 | 39.01 | 12.33 |
| | 7 | 10 | 556.73 | 459.53 | 145.32 | 10 | 634.17 | 154.94 | 49.00 | 10 | 556.02 | 193.70 | 61.25 |
| | 8 | 10 | 10.00 | 10.90 | 3.45 | 10 | 13.78 | 8.05 | 2.54 | 10 | 11.45 | 4.91 | 1.55 |
| | 9 | 10 | 499.28 | 221.62 | 70.08 | 10 | 490.15 | 84.39 | 26.68 | 10 | 547.16 | 79.82 | 25.24 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 038D DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|--------|--------|---------------|----|--------|---------------|-------|----|------------|--------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| 300-Minute | 1 | 10 | 107.35 | 49.72 | 15.72 | 10 | 87.18 | 48.63 | 15.38 | 10 | 164.41 | 87.52 | 27.68 |
| | 2 | 10 | 56.41 | 22.90 | 7.24 | 10 | 46.54 | 16.90 | 5.34 | 10 | 54.17 | 19.15 | 6.06 |
| | 3 | 10 | 41.47 | 14.35 | 4.54 | 10 | 39.14 | 11.93 | 3.77 | 10 | 49.63 | 20.13 | 6.37 |
| | 4 | 10 | 30.17 | 13.14 | 4.15 | 10 | 30.72 | 13.19 | 4.17 | 10 | 39.28 | 20.91 | 6.61 |
| | 5 | 10 | 58.03 | 23.62 | 7.47 | 10 | 70.05 | 23.51 | 7.43 | 10 | 74.79 | 19.94 | 6.31 |
| | 6 | 10 | 29.47 | 16.31 | 5.16 | 10 | 35.96 | 18.45 | 5.83 | 10 | 48.61 | 39.15 | 12.38 |
| | 7 | 10 | 84.21 | 40.47 | 12.80 | 10 | 98.48 | 32.97 | 10.43 | 10 | 154.32 | 108.08 | 34.18 |
| | 8 | 10 | 0.86 | 0.66 | 0.21 | 10 | 1.07 | 0.68 | 0.22 | 10 | 1.77 | 2.72 | 0.86 |
| | 9 | 10 | 293.42 | 63.04 | 19.93 | 10 | 273.63 | 54.48 | 17.23 | 10 | 370.94 | 67.71 | 21.41 |
| 600-Minute | 1 | 10 | 139.92 | 78.42 | 24.80 | 10 | 68.45 | 63.72 | 20.15 | 10 | 118.64 | 53.54 | 16.93 |
| | 2 | 10 | 63.00 | 21.67 | 6.85 | 10 | 40.48 | 14.82 | 4.69 | 10 | 71.79 | 52.26 | 16.53 |
| | 3 | 10 | 66.13 | 23.98 | 7.58 | 10 | 43.08 | 14.39 | 4.55 | 10 | 46.29 | 23.54 | 7.45 |
| | 4 | 10 | 47.08 | 24.05 | 7.61 | 10 | 34.66 | 16.75 | 5.30 | 10 | 42.39 | 27.45 | 8.68 |
| | 5 | 10 | 109.94 | 59.22 | 18.73 | 10 | 68.62 | 20.74 | 6.56 | 10 | 61.06 | 28.78 | 9.10 |
| | 6 | 10 | 69.71 | 63.43 | 20.06 | 10 | 40.71 | 24.68 | 7.80 | 10 | 37.93 | 19.17 | 6.06 |
| | 7 | 10 | 267.19 | 138.80 | 43.89 | 10 | 132.77 | 24.09 | 7.62 | 10 | 163.35 | 127.26 | 40.24 |
| | 8 | 10 | 6.36 | 5.02 | 1.59 | 10 | 2.16 | 1.01 | 0.32 | 10 | 3.05 | 2.91 | 0.92 |
| | 9 | 10 | 426.07 | 169.53 | 53.61 | 10 | 255.29 | 94.00 | 29.72 | 10 | 340.17 | 121.66 | 38.47 |
| | 1 | 3 | 109.00 | 36.70 | 21.19 | 3 | 58.42 | 16.15 | 9.32 | 3 | 109.00 | 36.70 | 21.19 |
| | 2 | 3 | 51.84 | 12.49 | 7.21 | 3 | 51.84 | 12.49 | 7.21 | 3 | 51.84 | 12.49 | 7.21 |
| | 3 | 3 | 41.37 | 6.27 | 3.62 | 3 | 41.37 | 6.27 | 3.62 | 3 | 41.37 | 6.27 | 3.62 |
| | 4 | 3 | 79.87 | 26.31 | 15.19 | 3 | 79.87 | 26.31 | 15.19 | 3 | 79.87 | 26.31 | 15.19 |
| | 5 | 3 | 49.45 | 17.60 | 10.16 | 3 | 49.45 | 17.60 | 10.16 | 3 | 49.45 | 17.60 | 10.16 |
| | 6 | 3 | 187.77 | 70.46 | 40.68 | 3 | 187.77 | 70.46 | 40.68 | 3 | 187.77 | 70.46 | 40.68 |
| | 7 | 3 | 3.86 | 2.21 | 1.28 | 3 | 3.86 | 2.21 | 1.28 | 3 | 3.86 | 2.21 | 1.28 |
| | 8 | 3 | 340.51 | 85.39 | 49.30 | 3 | 340.51 | 85.39 | 49.30 | 3 | 340.51 | 85.39 | 49.30 |
| | 9 | 3 | 340.51 | 85.39 | 49.30 | 3 | 340.51 | 85.39 | 49.30 | 3 | 340.51 | 85.39 | 49.30 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 038D DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | |
| 300-Minute | 1 | 10 | 31.53 | 10.30 | 3.26 | 10 | 42.94 | 8.40 | 2.65 | 10 | 37.09 | 11.98 | 3.79 | 3.30 |
| | 2 | 10 | 24.38 | 8.28 | 2.62 | 10 | 22.05 | 5.62 | 1.78 | 10 | 21.49 | 8.88 | 2.81 | 0.88 |
| | 3 | 10 | 11.59 | 4.96 | 1.57 | 10 | 11.04 | 2.86 | 0.90 | 10 | 11.80 | 4.01 | 1.27 | 0.23 |
| | 4 | 10 | 13.25 | 5.59 | 1.77 | 10 | 8.82 | 3.48 | 1.10 | 10 | 11.52 | 4.69 | 1.48 | 1.29 |
| | 5 | 10 | 19.25 | 5.93 | 1.88 | 10 | 15.15 | 3.95 | 1.25 | 10 | 18.10 | 8.58 | 2.71 | 1.22 |
| 600-Minute | 1 | 10 | 33.54 | 12.65 | 4.00 | 10 | 35.45 | 9.99 | 3.16 | 10 | 45.10 | 6.89 | 2.18 | 3.58 |
| | 2 | 10 | 19.52 | 7.11 | 2.25 | 10 | 21.36 | 7.86 | 2.49 | 10 | 18.17 | 6.55 | 2.07 | 0.92 |
| | 3 | 10 | 12.01 | 3.80 | 1.20 | 10 | 13.29 | 4.29 | 1.36 | 10 | 12.87 | 3.34 | 1.06 | 0.38 |
| | 4 | 10 | 13.49 | 5.22 | 1.65 | 10 | 13.49 | 3.58 | 1.13 | 10 | 9.53 | 3.62 | 1.15 | 1.32 |
| | 5 | 10 | 21.45 | 6.13 | 1.94 | 10 | 16.42 | 8.01 | 2.53 | 10 | 14.33 | 8.15 | 2.58 | 2.11 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 038D DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. |
|------------|------------|--------------|-------|-------|---------------|-------|-------|---------------|-------|-------|------------|-------|------|
| | | N | Mean | Std. | N | Mean | Std. | N | Mean | Std. | N | Mean | Std. |
| 300-Minute | 1 | 10 | 15.81 | 7.03 | 10 | 22.11 | 10.84 | 10 | 17.44 | 7.22 | 3 | 18.45 | 3.27 |
| | 2 | 10 | 13.17 | 4.34 | 10 | 16.52 | 5.65 | 10 | 10.82 | 5.11 | 3 | 13.51 | 2.87 |
| | 3 | 10 | 15.51 | 6.23 | 10 | 16.39 | 6.12 | 10 | 14.53 | 7.92 | 3 | 15.48 | 0.93 |
| | 4 | 10 | 20.44 | 6.01 | 10 | 17.17 | 5.97 | 10 | 20.96 | 7.96 | 3 | 19.52 | 2.05 |
| | 5 | 10 | 35.07 | 11.16 | 10 | 27.80 | 13.58 | 10 | 36.25 | 14.19 | 3 | 33.04 | 4.57 |
| 600-Minute | 1 | 10 | 15.14 | 5.29 | 10 | 17.00 | 6.91 | 10 | 17.02 | 9.34 | 3 | 16.39 | 1.08 |
| | 2 | 10 | 9.68 | 5.10 | 10 | 10.32 | 2.38 | 10 | 12.03 | 6.45 | 3 | 10.68 | 1.21 |
| | 3 | 10 | 13.14 | 5.30 | 10 | 17.84 | 8.91 | 10 | 16.94 | 7.53 | 3 | 15.98 | 2.49 |
| | 4 | 10 | 27.51 | 7.23 | 10 | 28.59 | 8.45 | 10 | 28.15 | 7.01 | 3 | 28.08 | 0.54 |
| | 5 | 10 | 34.51 | 11.74 | 10 | 26.24 | 6.31 | 10 | 25.86 | 10.40 | 3 | 28.87 | 4.89 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 038D DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| 300-Minute | 1 | 10 | 37.22 | 13.69 | 4.33 | 10 | 45.55 | 14.93 | 4.72 | 10 | 34.33 | 13.56 | 4.29 |
| | 2 | 10 | 20.15 | 7.79 | 2.46 | 10 | 20.93 | 7.64 | 2.42 | 10 | 21.45 | 8.27 | 2.62 |
| | 3 | 10 | 12.97 | 4.17 | 1.32 | 10 | 11.91 | 3.12 | 0.99 | 10 | 12.29 | 3.89 | 1.23 |
| | 4 | 10 | 9.50 | 3.98 | 1.26 | 10 | 7.71 | 3.68 | 1.16 | 10 | 11.47 | 2.48 | 0.78 |
| | 5 | 10 | 20.17 | 10.88 | 3.44 | 10 | 13.90 | 8.28 | 2.62 | 10 | 20.45 | 6.00 | 1.90 |
| 600-Minute | 1 | 10 | 35.70 | 12.17 | 3.85 | 10 | 37.98 | 8.44 | 2.67 | 10 | 39.39 | 9.79 | 3.10 |
| | 2 | 10 | 20.10 | 5.47 | 1.73 | 10 | 16.08 | 4.66 | 1.47 | 10 | 19.42 | 7.52 | 2.38 |
| | 3 | 10 | 13.42 | 3.15 | 1.00 | 10 | 13.18 | 5.87 | 1.86 | 10 | 13.14 | 6.33 | 2.00 |
| | 4 | 10 | 10.59 | 4.78 | 1.51 | 10 | 13.66 | 4.09 | 1.29 | 10 | 9.83 | 4.25 | 1.34 |
| | 5 | 10 | 20.20 | 9.36 | 2.96 | 10 | 19.09 | 4.47 | 1.41 | 10 | 18.22 | 6.69 | 2.12 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 038D DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | |
| 300-Minute | 1 | 10 | 37.17 | 12.99 | 4.11 | 10 | 44.59 | 9.04 | 2.86 | 10 | 41.39 | 11.75 | 3.72 | 2.15 |
| | 2 | 10 | 22.20 | 7.32 | 2.32 | 10 | 24.78 | 8.80 | 2.78 | 10 | 19.05 | 6.91 | 2.18 | 1.66 |
| | 3 | 10 | 12.54 | 2.92 | 0.92 | 10 | 10.93 | 3.62 | 1.15 | 10 | 10.85 | 3.31 | 1.05 | 0.55 |
| | 4 | 10 | 8.87 | 4.31 | 1.36 | 10 | 7.22 | 2.23 | 0.70 | 10 | 9.93 | 4.44 | 1.40 | 0.79 |
| | 5 | 10 | 19.21 | 7.86 | 2.48 | 10 | 12.48 | 5.17 | 1.63 | 10 | 18.78 | 5.40 | 1.71 | 2.18 |
| 600-Minute | 1 | 10 | 33.19 | 15.76 | 4.98 | 10 | 39.66 | 8.90 | 2.81 | 10 | 40.95 | 6.61 | 2.09 | 2.40 |
| | 2 | 10 | 17.85 | 3.30 | 1.04 | 10 | 15.96 | 6.95 | 2.20 | 10 | 18.98 | 9.26 | 2.93 | 0.88 |
| | 3 | 10 | 12.63 | 5.07 | 1.60 | 10 | 11.48 | 4.03 | 1.27 | 10 | 11.99 | 4.00 | 1.27 | 0.33 |
| | 4 | 10 | 13.04 | 5.72 | 1.81 | 10 | 15.00 | 3.80 | 1.20 | 10 | 11.15 | 3.24 | 1.02 | 1.11 |
| | 5 | 10 | 23.29 | 9.65 | 3.05 | 10 | 17.91 | 6.55 | 2.07 | 10 | 16.94 | 6.03 | 1.91 | 1.98 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 038D DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. |
|------------|------------|--------------|-------|------|---------------|-------|------|---------------|-------|------|------------|------|------|
| | | N | Mean | Std. | N | Mean | Std. | N | Mean | Std. | Mean | Std. | |
| 300-Minute | 1 | 10 | 1.85 | 0.19 | 10 | 2.04 | 0.26 | 10 | 1.94 | 0.37 | 1.95 | 0.09 | 0.05 |
| | 2 | 10 | 5.61 | 0.32 | 10 | 5.48 | 0.24 | 10 | 5.34 | 0.35 | 5.48 | 0.14 | 0.08 |
| | 3 | 10 | 9.93 | 0.29 | 10 | 10.21 | 0.52 | 10 | 10.06 | 0.43 | 10.07 | 0.14 | 0.08 |
| | 4 | 10 | 15.12 | 0.28 | 10 | 15.20 | 0.44 | 10 | 15.54 | 0.28 | 15.29 | 0.23 | 0.13 |
| | 5 | 10 | 21.15 | 0.49 | 10 | 21.58 | 0.40 | 10 | 21.53 | 0.27 | 21.42 | 0.23 | 0.13 |
| | 9 | 10 | 9.17 | 1.30 | 10 | 7.83 | 1.24 | 10 | 8.72 | 1.89 | 8.57 | 0.68 | 0.40 |
| 600-Minute | 1 | 10 | 1.98 | 0.40 | 10 | 1.97 | 0.32 | 10 | 1.84 | 0.28 | 1.93 | 0.08 | 0.05 |
| | 2 | 10 | 5.50 | 0.37 | 10 | 5.69 | 0.26 | 10 | 5.65 | 0.27 | 5.61 | 0.10 | 0.06 |
| | 3 | 10 | 10.06 | 0.49 | 10 | 10.06 | 0.50 | 10 | 10.05 | 0.33 | 10.06 | 0.01 | 0.00 |
| | 4 | 10 | 15.52 | 0.41 | 10 | 15.10 | 0.46 | 10 | 15.05 | 0.39 | 15.22 | 0.26 | 0.15 |
| | 5 | 10 | 21.29 | 0.44 | 10 | 21.35 | 0.49 | 10 | 21.08 | 0.42 | 21.24 | 0.14 | 0.08 |
| | 9 | 10 | 9.58 | 1.77 | 10 | 8.81 | 1.84 | 10 | 7.60 | 1.73 | 8.66 | 1.00 | 0.58 |

PARAMETER = Mean Frequency
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| 300-Minute | 1 | 10 | 2.13 | 0.25 | 0.08 | 10 | 2.08 | 0.30 | 0.10 | 10 | 2.28 | 0.24 | 0.07 | 3 | 2.16 | 0.10 | 0.06 |
| | 2 | 10 | 5.40 | 0.27 | 0.09 | 10 | 5.43 | 0.26 | 0.08 | 10 | 5.36 | 0.40 | 0.13 | 3 | 5.40 | 0.03 | 0.02 |
| | 3 | 10 | 10.22 | 0.44 | 0.14 | 10 | 9.96 | 0.38 | 0.12 | 10 | 10.37 | 0.49 | 0.16 | 3 | 10.18 | 0.20 | 0.12 |
| | 4 | 10 | 15.17 | 0.32 | 0.10 | 10 | 15.21 | 0.35 | 0.11 | 10 | 15.25 | 0.49 | 0.15 | 3 | 15.21 | 0.04 | 0.02 |
| | 5 | 10 | 21.43 | 0.65 | 0.21 | 10 | 21.44 | 0.51 | 0.16 | 10 | 21.20 | 0.46 | 0.15 | 3 | 21.36 | 0.14 | 0.08 |
| | 9 | 10 | 8.96 | 2.49 | 0.79 | 10 | 7.42 | 2.19 | 0.69 | 10 | 9.29 | 1.44 | 0.45 | 3 | 8.56 | 1.00 | 0.58 |
| 600-Minute | 1 | 10 | 2.19 | 0.32 | 0.10 | 10 | 2.23 | 0.30 | 0.09 | 10 | 2.15 | 0.27 | 0.08 | 3 | 2.19 | 0.04 | 0.02 |
| | 2 | 10 | 5.32 | 0.31 | 0.10 | 10 | 5.41 | 0.34 | 0.11 | 10 | 5.47 | 0.42 | 0.13 | 3 | 5.40 | 0.07 | 0.04 |
| | 3 | 10 | 9.85 | 0.41 | 0.13 | 10 | 10.04 | 0.47 | 0.15 | 10 | 9.83 | 0.48 | 0.15 | 3 | 9.90 | 0.11 | 0.07 |
| | 4 | 10 | 15.21 | 0.32 | 0.10 | 10 | 15.38 | 0.36 | 0.11 | 10 | 15.54 | 0.37 | 0.12 | 3 | 15.38 | 0.16 | 0.09 |
| | 5 | 10 | 21.14 | 0.50 | 0.16 | 10 | 21.32 | 0.37 | 0.12 | 10 | 21.51 | 0.48 | 0.15 | 3 | 21.33 | 0.19 | 0.11 |
| | 9 | 10 | 9.05 | 2.16 | 0.68 | 10 | 9.20 | 1.29 | 0.41 | 10 | 8.65 | 1.75 | 0.55 | 3 | 8.97 | 0.28 | 0.16 |

PARAMETER = Mean Frequency
CHANNEL = 4

PARAMETER = Peak Frequency
CHANNEL = 1

[illegible]

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
 TASK: 89-09
 DESCRIPTIVE STATISTICS FOR ANIMAL 038D DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
 CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | |
| 300-Minute | 1 | 8 | 2.25 | 0.60 | 0.21 | 9 | 2.28 | 0.75 | 0.25 | 9 | 2.72 | 0.57 | 0.19 |
| | 2 | 10 | 5.80 | 1.21 | 0.38 | 9 | 5.72 | 1.25 | 0.42 | 9 | 5.67 | 1.09 | 0.36 |
| | 3 | 10 | 10.52 | 1.48 | 0.47 | 10 | 10.35 | 1.42 | 0.45 | 10 | 10.83 | 1.17 | 0.37 |
| | 4 | 10 | 15.35 | 1.38 | 0.43 | 10 | 15.55 | 1.61 | 0.51 | 10 | 15.65 | 1.60 | 0.51 |
| | 5 | 10 | 21.30 | 1.67 | 0.53 | 10 | 21.55 | 1.72 | 0.54 | 10 | 21.30 | 1.70 | 0.54 |
| | 9 | 10 | 4.00 | 3.28 | 1.04 | 10 | 4.65 | 7.04 | 2.23 | 10 | 3.70 | 1.23 | 0.39 |
| 600-Minute | 1 | 9 | 2.22 | 0.67 | 0.22 | 10 | 2.15 | 0.53 | 0.17 | 8 | 2.56 | 0.68 | 0.24 |
| | 2 | 7 | 5.43 | 0.84 | 0.32 | 8 | 5.75 | 0.96 | 0.34 | 9 | 6.00 | 1.20 | 0.40 |
| | 3 | 10 | 9.85 | 0.75 | 0.24 | 9 | 10.50 | 1.41 | 0.47 | 9 | 10.06 | 1.07 | 0.36 |
| | 4 | 10 | 15.10 | 1.10 | 0.35 | 10 | 15.95 | 1.36 | 0.43 | 10 | 15.85 | 0.82 | 0.26 |
| | 5 | 10 | 22.30 | 1.69 | 0.53 | 10 | 22.50 | 1.45 | 0.46 | 10 | 22.25 | 1.44 | 0.45 |
| | 9 | 10 | 2.95 | 2.39 | 0.75 | 10 | 2.15 | 0.53 | 0.17 | 10 | 3.70 | 2.50 | 0.79 |

PARAMETER = Total Power
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|--------|-------|---------------|----|--------|---------------|-------|----|------------|-------|-------|---|--------|-------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| 300-Minute | 1 | 10 | 54.46 | 27.95 | 8.84 | 10 | 85.05 | 50.58 | 15.99 | 10 | 76.00 | 52.05 | 16.46 | 3 | 71.84 | 15.72 | 9.07 |
| | 2 | 10 | 42.85 | 20.68 | 6.54 | 10 | 39.55 | 9.61 | 3.04 | 10 | 39.83 | 18.36 | 5.80 | 3 | 40.74 | 1.83 | 1.06 |
| | 3 | 10 | 18.98 | 8.99 | 2.84 | 10 | 19.98 | 4.98 | 1.57 | 10 | 21.49 | 6.17 | 1.95 | 3 | 20.15 | 1.26 | 0.73 |
| | 4 | 10 | 21.45 | 8.08 | 2.55 | 10 | 17.16 | 10.73 | 3.39 | 10 | 21.40 | 8.81 | 2.79 | 3 | 20.00 | 2.46 | 1.42 |
| | 5 | 10 | 33.10 | 16.51 | 5.22 | 10 | 28.79 | 13.10 | 4.14 | 10 | 33.29 | 18.62 | 5.89 | 3 | 31.73 | 2.54 | 1.47 |
| | 6 | 10 | 14.24 | 5.85 | 1.85 | 10 | 16.97 | 9.43 | 2.98 | 10 | 25.45 | 21.26 | 6.72 | 3 | 18.89 | 5.84 | 3.37 |
| | 7 | 10 | 65.07 | 34.27 | 10.84 | 10 | 58.83 | 25.47 | 8.06 | 10 | 76.29 | 40.11 | 12.68 | 3 | 66.73 | 8.85 | 5.11 |
| | 8 | 10 | 0.91 | 0.53 | 0.17 | 10 | 0.78 | 0.55 | 0.17 | 10 | 1.53 | 1.37 | 0.43 | 3 | 1.07 | 0.40 | 0.23 |
| | 9 | 10 | 170.84 | 59.13 | 18.70 | 10 | 190.54 | 76.13 | 24.07 | 10 | 192.02 | 66.18 | 20.93 | 3 | 184.47 | 11.82 | 6.83 |
| 600-Minute | 1 | 10 | 43.58 | 27.95 | 8.84 | 10 | 42.13 | 20.01 | 6.33 | 10 | 67.71 | 29.55 | 9.34 | 3 | 51.14 | 14.37 | 8.30 |
| | 2 | 10 | 22.67 | 11.05 | 3.49 | 10 | 23.54 | 7.58 | 2.40 | 10 | 27.19 | 16.56 | 5.24 | 3 | 24.47 | 2.40 | 1.38 |
| | 3 | 10 | 13.66 | 5.16 | 1.63 | 10 | 15.63 | 9.58 | 3.03 | 10 | 18.50 | 8.20 | 2.59 | 3 | 15.93 | 2.43 | 1.41 |
| | 4 | 10 | 15.67 | 8.45 | 2.67 | 10 | 16.77 | 10.03 | 3.17 | 10 | 12.98 | 5.02 | 1.59 | 3 | 15.14 | 1.95 | 1.12 |
| | 5 | 10 | 23.88 | 6.68 | 2.11 | 10 | 20.18 | 13.82 | 4.37 | 10 | 20.57 | 14.56 | 4.60 | 3 | 21.54 | 2.03 | 1.17 |
| | 6 | 10 | 13.45 | 4.67 | 1.48 | 10 | 17.05 | 16.05 | 5.08 | 10 | 11.76 | 6.05 | 1.91 | 3 | 14.08 | 2.71 | 1.56 |
| | 7 | 10 | 48.52 | 20.03 | 6.33 | 10 | 73.28 | 102.27 | 32.34 | 10 | 50.37 | 46.42 | 14.68 | 3 | 57.39 | 13.79 | 7.96 |
| | 8 | 10 | 0.58 | 0.29 | 0.09 | 10 | 0.68 | 0.91 | 0.29 | 10 | 1.15 | 1.27 | 0.40 | 3 | 0.80 | 0.30 | 0.17 |
| | 9 | 10 | 119.46 | 45.57 | 14.41 | 10 | 118.25 | 46.24 | 14.62 | 10 | 146.96 | 53.84 | 17.03 | 3 | 128.22 | 16.24 | 9.37 |

PARAMETER = Total Power
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|--------|--------|---------------|----|--------|---------------|-------|----|------------|--------|-------|---|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| 300-Minute | 1 | 10 | 135.10 | 74.85 | 23.67 | 10 | 234.54 | 113.04 | 35.75 | 10 | 141.22 | 86.05 | 27.21 | 3 | 170.28 | 55.73 | 32.17 |
| | 2 | 10 | 69.86 | 27.22 | 8.61 | 10 | 103.32 | 37.46 | 11.85 | 10 | 79.18 | 20.92 | 6.62 | 3 | 84.12 | 17.27 | 9.97 |
| | 3 | 10 | 43.96 | 12.65 | 4.00 | 10 | 58.56 | 17.35 | 5.49 | 10 | 48.11 | 19.26 | 6.09 | 3 | 50.21 | 7.52 | 4.34 |
| | 4 | 10 | 32.08 | 11.93 | 3.77 | 10 | 36.80 | 15.02 | 4.75 | 10 | 44.89 | 14.22 | 4.50 | 3 | 37.92 | 6.48 | 3.74 |
| | 5 | 10 | 68.47 | 40.14 | 12.69 | 10 | 67.05 | 43.40 | 13.72 | 10 | 80.45 | 29.92 | 9.46 | 3 | 71.99 | 7.36 | 4.25 |
| | 6 | 10 | 42.95 | 15.54 | 4.91 | 10 | 49.15 | 31.99 | 10.12 | 10 | 60.69 | 19.25 | 6.09 | 3 | 50.93 | 9.00 | 5.20 |
| | 7 | 10 | 231.08 | 112.44 | 35.56 | 10 | 214.97 | 203.73 | 64.43 | 10 | 316.24 | 115.02 | 36.37 | 3 | 254.10 | 54.41 | 31.42 |
| | 8 | 10 | 3.30 | 2.72 | 0.86 | 10 | 4.77 | 6.14 | 1.94 | 10 | 4.81 | 3.74 | 1.18 | 3 | 4.30 | 0.86 | 0.50 |
| | 9 | 10 | 349.48 | 95.25 | 30.12 | 10 | 500.27 | 118.32 | 37.41 | 10 | 393.85 | 94.68 | 29.94 | 3 | 414.53 | 77.49 | 44.74 |
| 600-Minute | 1 | 10 | 115.95 | 63.31 | 20.02 | 10 | 127.92 | 48.94 | 15.48 | 10 | 161.84 | 88.21 | 27.90 | 3 | 135.24 | 23.80 | 13.74 |
| | 2 | 10 | 62.78 | 28.70 | 9.08 | 10 | 52.53 | 16.33 | 5.16 | 10 | 84.37 | 62.03 | 19.61 | 3 | 66.56 | 16.25 | 9.38 |
| | 3 | 10 | 39.26 | 9.45 | 2.99 | 10 | 47.61 | 30.87 | 9.76 | 10 | 55.19 | 37.07 | 11.72 | 3 | 47.35 | 7.97 | 4.60 |
| | 4 | 10 | 30.79 | 11.34 | 3.59 | 10 | 49.59 | 32.18 | 10.18 | 10 | 37.69 | 15.46 | 4.89 | 3 | 39.36 | 9.51 | 5.49 |
| | 5 | 10 | 59.41 | 29.27 | 9.26 | 10 | 66.49 | 32.64 | 10.32 | 10 | 69.28 | 23.78 | 7.52 | 3 | 65.06 | 5.08 | 2.94 |
| | 6 | 10 | 39.53 | 17.27 | 5.46 | 10 | 63.33 | 37.39 | 11.82 | 10 | 41.80 | 14.98 | 4.74 | 3 | 48.22 | 13.13 | 7.58 |
| | 7 | 10 | 184.12 | 116.09 | 36.71 | 10 | 354.25 | 226.87 | 71.74 | 10 | 290.17 | 104.50 | 33.04 | 3 | 276.18 | 85.92 | 49.61 |
| | 8 | 10 | 2.90 | 1.69 | 0.54 | 10 | 5.43 | 4.17 | 1.32 | 10 | 4.71 | 2.37 | 0.75 | 3 | 4.35 | 1.31 | 0.75 |
| | 9 | 10 | 308.19 | 98.74 | 31.22 | 10 | 344.14 | 118.36 | 37.43 | 10 | 408.37 | 167.54 | 52.98 | 3 | 353.57 | 50.75 | 29.30 |

PARAMETER = Total Power
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|--------|--------|---------------|----|--------|---------------|-------|----|------------|--------|-------|---|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| 300-Minute | 1 | 10 | 176.93 | 121.93 | 38.56 | 10 | 271.05 | 103.14 | 32.62 | 10 | 222.37 | 103.51 | 32.73 | 3 | 223.45 | 47.07 | 27.18 |
| | 2 | 10 | 98.78 | 44.76 | 14.16 | 10 | 152.68 | 71.55 | 22.63 | 10 | 97.32 | 47.31 | 14.96 | 3 | 116.26 | 31.55 | 18.21 |
| | 3 | 10 | 53.78 | 18.68 | 5.91 | 10 | 62.62 | 16.62 | 5.26 | 10 | 55.08 | 17.72 | 5.60 | 3 | 57.16 | 4.77 | 2.76 |
| | 4 | 10 | 34.29 | 7.50 | 2.37 | 10 | 41.50 | 10.37 | 3.28 | 10 | 47.67 | 14.56 | 4.60 | 3 | 41.15 | 6.69 | 3.86 |
| | 5 | 10 | 76.25 | 17.32 | 5.48 | 10 | 72.77 | 30.51 | 9.65 | 10 | 95.48 | 30.77 | 9.73 | 3 | 81.50 | 12.23 | 7.06 |
| | 6 | 10 | 33.34 | 9.76 | 3.09 | 10 | 40.12 | 12.65 | 4.00 | 10 | 52.27 | 18.75 | 5.93 | 3 | 41.91 | 9.59 | 5.54 |
| | 7 | 10 | 132.28 | 44.67 | 14.13 | 10 | 145.12 | 71.48 | 22.60 | 10 | 166.33 | 61.24 | 19.37 | 3 | 147.91 | 17.19 | 9.93 |
| | 8 | 10 | 1.70 | 1.11 | 0.35 | 10 | 1.63 | 0.79 | 0.25 | 10 | 1.60 | 1.13 | 0.36 | 3 | 1.64 | 0.05 | 0.03 |
| | 9 | 10 | 440.03 | 159.52 | 50.45 | 10 | 600.62 | 165.57 | 52.36 | 10 | 517.91 | 149.59 | 47.30 | 3 | 519.52 | 80.31 | 46.37 |
| 600-Minute | 1 | 10 | 143.68 | 91.66 | 28.99 | 10 | 165.19 | 62.38 | 19.73 | 10 | 210.14 | 76.24 | 24.11 | 3 | 173.00 | 33.91 | 19.58 |
| | 2 | 10 | 72.49 | 19.32 | 6.11 | 10 | 69.65 | 43.29 | 13.69 | 10 | 118.15 | 130.40 | 41.24 | 3 | 86.76 | 27.22 | 15.72 |
| | 3 | 10 | 50.71 | 20.24 | 6.40 | 10 | 47.41 | 19.40 | 6.13 | 10 | 64.01 | 41.02 | 12.97 | 3 | 54.05 | 8.79 | 5.07 |
| | 4 | 10 | 51.79 | 20.87 | 6.60 | 10 | 59.33 | 12.54 | 3.97 | 10 | 54.46 | 15.02 | 4.75 | 3 | 55.19 | 3.82 | 2.21 |
| | 5 | 10 | 90.26 | 28.66 | 9.06 | 10 | 69.67 | 20.98 | 6.64 | 10 | 81.06 | 22.10 | 6.99 | 3 | 80.33 | 10.31 | 5.95 |
| | 6 | 10 | 67.79 | 40.30 | 12.74 | 10 | 74.38 | 44.35 | 14.02 | 10 | 65.62 | 24.71 | 7.81 | 3 | 69.27 | 4.56 | 2.63 |
| | 7 | 10 | 286.26 | 195.33 | 61.77 | 10 | 233.40 | 127.23 | 40.23 | 10 | 203.80 | 54.37 | 17.19 | 3 | 241.15 | 41.77 | 24.12 |
| | 8 | 10 | 3.02 | 3.09 | 0.98 | 10 | 2.68 | 1.65 | 0.52 | 10 | 3.15 | 0.69 | 0.22 | 3 | 2.95 | 0.24 | 0.14 |
| | 9 | 10 | 408.93 | 89.20 | 28.21 | 10 | 411.25 | 100.98 | 31.93 | 10 | 527.83 | 243.81 | 77.10 | 3 | 449.34 | 67.99 | 39.25 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
 TASK: 89-09
 DESCRIPTIVE STATISTICS FOR ANIMAL 038D DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
 CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|-------|----|------------|-------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 16.62 | 4.96 | 1.57 | 10 | 22.83 | 15.48 | 4.90 | 10 | 29.95 | 12.60 | 3.98 |
| | 2 | 10 | 12.16 | 3.84 | 1.21 | 10 | 12.75 | 4.22 | 1.34 | 10 | 16.40 | 3.95 | 1.25 |
| | 3 | 10 | 29.52 | 6.67 | 2.11 | 10 | 23.04 | 7.18 | 2.27 | 10 | 20.80 | 6.77 | 2.14 |
| | 4 | 10 | 18.41 | 4.06 | 1.28 | 10 | 17.85 | 5.36 | 1.70 | 10 | 14.05 | 3.61 | 1.14 |
| | 5 | 10 | 23.30 | 9.24 | 2.92 | 10 | 23.52 | 8.53 | 2.70 | 10 | 18.80 | 10.97 | 3.47 |
| 90-Minute | 1 | 10 | 45.05 | 13.58 | 4.29 | 10 | 43.98 | 10.17 | 3.22 | 10 | 47.28 | 13.45 | 4.25 |
| | 2 | 10 | 24.04 | 9.01 | 2.85 | 10 | 24.09 | 7.59 | 2.40 | 10 | 22.65 | 6.71 | 2.12 |
| | 3 | 10 | 12.12 | 4.19 | 1.32 | 10 | 12.39 | 4.46 | 1.41 | 10 | 11.34 | 4.04 | 1.28 |
| | 4 | 10 | 18.17 | 27.47 | 8.69 | 10 | 10.92 | 4.85 | 1.53 | 10 | 9.07 | 4.95 | 1.57 |
| | 5 | 10 | 9.23 | 4.30 | 1.36 | 10 | 8.61 | 2.26 | 0.71 | 10 | 9.67 | 4.46 | 1.41 |
| 300-Minute | 1 | 10 | 55.84 | 8.54 | 2.70 | 10 | 48.31 | 12.68 | 4.01 | 10 | 46.89 | 14.16 | 4.48 |
| | 2 | 10 | 20.44 | 6.61 | 2.09 | 10 | 28.59 | 15.82 | 5.00 | 10 | 21.21 | 5.67 | 1.79 |
| | 3 | 10 | 9.92 | 2.95 | 0.93 | 10 | 11.43 | 5.30 | 1.67 | 10 | 11.33 | 5.31 | 1.68 |
| | 4 | 10 | 6.32 | 2.45 | 0.77 | 10 | 7.22 | 2.69 | 0.85 | 10 | 8.59 | 4.58 | 1.45 |
| | 5 | 10 | 7.48 | 2.25 | 0.71 | 10 | 8.94 | 5.33 | 1.69 | 10 | 10.32 | 8.19 | 2.59 |
| 600-Minute | 1 | 10 | 49.07 | 16.29 | 5.15 | 10 | 45.39 | 5.49 | 1.73 | 10 | 41.02 | 14.52 | 4.59 |
| | 2 | 10 | 19.13 | 8.42 | 2.66 | 10 | 22.05 | 7.06 | 2.23 | 10 | 26.41 | 9.22 | 2.92 |
| | 3 | 10 | 12.52 | 4.09 | 1.29 | 10 | 11.36 | 3.97 | 1.26 | 10 | 16.58 | 6.44 | 2.04 |
| | 4 | 10 | 8.20 | 5.24 | 1.66 | 10 | 8.94 | 3.75 | 1.19 | 10 | 6.31 | 2.26 | 0.72 |
| | 5 | 10 | 11.07 | 5.78 | 1.83 | 10 | 22.96 | 37.02 | 11.71 | 10 | 9.67 | 4.40 | 1.39 |
| | 1 | 3 | 23.13 | 6.67 | 3.85 | 3 | 23.13 | 6.67 | 3.85 | 3 | 23.13 | 6.67 | 3.85 |
| | 2 | 3 | 13.77 | 2.29 | 1.32 | 3 | 13.77 | 2.29 | 1.32 | 3 | 13.77 | 2.29 | 1.32 |
| | 3 | 3 | 24.45 | 4.53 | 2.61 | 3 | 24.45 | 4.53 | 2.61 | 3 | 24.45 | 4.53 | 2.61 |
| | 4 | 3 | 16.77 | 2.37 | 1.37 | 3 | 16.77 | 2.37 | 1.37 | 3 | 16.77 | 2.37 | 1.37 |
| | 5 | 3 | 21.87 | 2.66 | 1.54 | 3 | 21.87 | 2.66 | 1.54 | 3 | 21.87 | 2.66 | 1.54 |
| | 1 | 3 | 45.44 | 1.68 | 0.97 | 3 | 45.44 | 1.68 | 0.97 | 3 | 45.44 | 1.68 | 0.97 |
| | 2 | 3 | 23.59 | 0.82 | 0.47 | 3 | 23.59 | 0.82 | 0.47 | 3 | 23.59 | 0.82 | 0.47 |
| | 3 | 3 | 11.95 | 0.55 | 0.32 | 3 | 11.95 | 0.55 | 0.32 | 3 | 11.95 | 0.55 | 0.32 |
| | 4 | 3 | 12.72 | 4.81 | 2.78 | 3 | 12.72 | 4.81 | 2.78 | 3 | 12.72 | 4.81 | 2.78 |
| | 5 | 3 | 9.17 | 0.53 | 0.31 | 3 | 9.17 | 0.53 | 0.31 | 3 | 9.17 | 0.53 | 0.31 |
| | 1 | 3 | 50.35 | 4.81 | 2.78 | 3 | 50.35 | 4.81 | 2.78 | 3 | 50.35 | 4.81 | 2.78 |
| | 2 | 3 | 23.41 | 4.50 | 2.60 | 3 | 23.41 | 4.50 | 2.60 | 3 | 23.41 | 4.50 | 2.60 |
| | 3 | 3 | 10.89 | 0.85 | 0.49 | 3 | 10.89 | 0.85 | 0.49 | 3 | 10.89 | 0.85 | 0.49 |
| | 4 | 3 | 7.38 | 1.14 | 0.66 | 3 | 7.38 | 1.14 | 0.66 | 3 | 7.38 | 1.14 | 0.66 |
| | 5 | 3 | 8.91 | 1.42 | 0.82 | 3 | 8.91 | 1.42 | 0.82 | 3 | 8.91 | 1.42 | 0.82 |
| | 1 | 3 | 45.16 | 4.03 | 2.33 | 3 | 45.16 | 4.03 | 2.33 | 3 | 45.16 | 4.03 | 2.33 |
| | 2 | 3 | 22.53 | 3.67 | 2.12 | 3 | 22.53 | 3.67 | 2.12 | 3 | 22.53 | 3.67 | 2.12 |
| | 3 | 3 | 13.49 | 2.74 | 1.58 | 3 | 13.49 | 2.74 | 1.58 | 3 | 13.49 | 2.74 | 1.58 |
| | 4 | 3 | 7.82 | 1.36 | 0.78 | 3 | 7.82 | 1.36 | 0.78 | 3 | 7.82 | 1.36 | 0.78 |
| | 5 | 3 | 14.57 | 7.30 | 4.22 | 3 | 14.57 | 7.30 | 4.22 | 3 | 14.57 | 7.30 | 4.22 |

PARAMETER = Percent Power
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 13.83 | 4.67 | 1.48 | 10 | 19.37 | 13.36 | 4.22 | 10 | 21.77 | 8.65 | 2.73 | 3 | 18.32 | 4.07 | 2.35 |
| | 2 | 10 | 13.66 | 4.62 | 1.46 | 10 | 12.15 | 4.94 | 1.56 | 10 | 16.60 | 4.65 | 1.47 | 3 | 14.14 | 2.27 | 1.31 |
| | 3 | 10 | 24.17 | 5.71 | 1.81 | 10 | 21.28 | 7.93 | 2.51 | 10 | 21.61 | 10.54 | 3.33 | 3 | 22.35 | 1.58 | 0.91 |
| | 4 | 10 | 21.80 | 6.57 | 2.08 | 10 | 25.64 | 10.25 | 3.24 | 10 | 18.38 | 3.96 | 1.25 | 3 | 21.94 | 3.64 | 2.10 |
| | 5 | 10 | 26.54 | 12.85 | 4.06 | 10 | 21.56 | 7.22 | 2.28 | 10 | 21.64 | 7.85 | 2.48 | 3 | 23.24 | 2.85 | 1.65 |
| 90-Minute | 1 | 10 | 41.43 | 17.10 | 5.41 | 10 | 37.82 | 12.96 | 4.10 | 10 | 41.20 | 14.23 | 4.50 | 3 | 40.15 | 2.02 | 1.17 |
| | 2 | 10 | 23.07 | 6.39 | 2.02 | 10 | 26.35 | 9.61 | 3.04 | 10 | 23.48 | 6.04 | 1.91 | 3 | 24.30 | 1.79 | 1.03 |
| | 3 | 10 | 12.76 | 4.44 | 1.40 | 10 | 16.75 | 5.38 | 1.70 | 10 | 12.69 | 3.91 | 1.24 | 3 | 14.07 | 2.33 | 1.34 |
| | 4 | 10 | 20.24 | 27.53 | 8.71 | 10 | 9.54 | 4.04 | 1.28 | 10 | 9.82 | 4.09 | 1.29 | 3 | 13.20 | 6.10 | 3.52 |
| | 5 | 10 | 10.99 | 7.01 | 2.22 | 10 | 9.54 | 5.46 | 1.73 | 10 | 12.82 | 7.99 | 2.53 | 3 | 11.12 | 1.64 | 0.95 |
| 300-Minute | 1 | 10 | 42.45 | 9.11 | 2.88 | 10 | 45.49 | 12.24 | 3.87 | 10 | 37.32 | 11.26 | 3.56 | 3 | 41.75 | 4.13 | 2.38 |
| | 2 | 10 | 19.34 | 8.38 | 2.65 | 10 | 27.54 | 13.02 | 4.12 | 10 | 25.73 | 9.43 | 2.98 | 3 | 24.20 | 4.31 | 2.49 |
| | 3 | 10 | 17.11 | 7.24 | 2.29 | 10 | 11.74 | 4.86 | 1.54 | 10 | 12.89 | 3.45 | 1.09 | 3 | 13.91 | 2.83 | 1.63 |
| | 4 | 10 | 9.54 | 3.19 | 1.01 | 10 | 8.58 | 3.29 | 1.04 | 10 | 10.88 | 2.11 | 0.67 | 3 | 9.66 | 1.16 | 0.67 |
| | 5 | 10 | 11.57 | 5.56 | 1.76 | 10 | 10.87 | 5.18 | 1.64 | 10 | 13.03 | 4.72 | 1.49 | 3 | 11.83 | 1.10 | 0.64 |
| 600-Minute | 1 | 10 | 40.12 | 9.31 | 2.94 | 10 | 30.87 | 6.56 | 2.08 | 10 | 33.75 | 8.90 | 2.81 | 3 | 34.91 | 4.73 | 2.73 |
| | 2 | 10 | 25.32 | 6.68 | 2.11 | 10 | 27.57 | 5.75 | 1.82 | 10 | 27.96 | 7.21 | 2.28 | 3 | 26.95 | 1.42 | 0.82 |
| | 3 | 10 | 14.31 | 3.39 | 1.07 | 10 | 16.97 | 4.15 | 1.31 | 10 | 17.98 | 4.88 | 1.54 | 3 | 16.42 | 1.89 | 1.09 |
| | 4 | 10 | 8.72 | 3.05 | 0.96 | 10 | 9.99 | 3.74 | 1.18 | 10 | 9.27 | 3.15 | 1.00 | 3 | 9.33 | 0.63 | 0.37 |
| | 5 | 10 | 11.52 | 2.60 | 0.82 | 10 | 23.51 | 30.09 | 9.52 | 10 | 11.05 | 4.28 | 1.35 | 3 | 15.36 | 7.06 | 4.08 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 038D DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. |
|------------|------------|--------------|-------|-------|---------------|-------|-------|---------------|-------|-------|------------|------|------|
| | | N | Mean | Std. | N | Mean | Std. | N | Mean | Std. | Mean | Std. | |
| Baseline | 1 | 10 | 13.89 | 5.29 | 10 | 15.37 | 6.43 | 10 | 14.39 | 4.27 | 14.55 | 0.75 | 0.44 |
| | 2 | 10 | 17.38 | 4.06 | 10 | 16.40 | 5.19 | 10 | 15.09 | 3.87 | 16.29 | 1.15 | 0.66 |
| | 3 | 10 | 21.96 | 6.79 | 10 | 20.78 | 5.74 | 10 | 22.06 | 6.27 | 21.60 | 0.71 | 0.41 |
| | 4 | 10 | 18.86 | 3.93 | 10 | 16.97 | 4.63 | 10 | 18.61 | 6.62 | 18.15 | 1.03 | 0.59 |
| | 5 | 10 | 27.90 | 6.86 | 10 | 30.48 | 5.39 | 10 | 29.85 | 11.10 | 29.41 | 1.35 | 0.78 |
| 90-Minute | 1 | 10 | 50.91 | 13.57 | 10 | 44.10 | 8.27 | 10 | 42.50 | 10.43 | 45.83 | 4.47 | 2.58 |
| | 2 | 10 | 18.69 | 9.55 | 10 | 25.03 | 8.37 | 10 | 19.14 | 7.94 | 20.95 | 3.53 | 2.04 |
| | 3 | 10 | 9.59 | 3.20 | 10 | 12.22 | 2.32 | 10 | 14.97 | 6.13 | 12.26 | 2.69 | 1.55 |
| | 4 | 10 | 17.26 | 25.54 | 10 | 8.24 | 2.52 | 10 | 9.09 | 5.05 | 11.53 | 4.98 | 2.88 |
| | 5 | 10 | 10.96 | 5.22 | 10 | 10.42 | 3.44 | 10 | 14.31 | 5.81 | 11.90 | 2.10 | 1.21 |
| 300-Minute | 1 | 10 | 33.21 | 12.81 | 10 | 42.39 | 17.79 | 10 | 28.53 | 14.76 | 34.71 | 7.05 | 4.07 |
| | 2 | 10 | 18.44 | 7.13 | 10 | 23.67 | 12.16 | 10 | 19.51 | 6.22 | 20.54 | 2.76 | 1.59 |
| | 3 | 10 | 12.75 | 3.54 | 10 | 11.43 | 5.13 | 10 | 14.40 | 2.95 | 12.86 | 1.49 | 0.86 |
| | 4 | 10 | 15.26 | 5.93 | 10 | 10.19 | 7.27 | 10 | 16.65 | 6.37 | 14.03 | 3.40 | 1.96 |
| | 5 | 10 | 20.34 | 6.51 | 10 | 16.06 | 10.34 | 10 | 20.73 | 8.66 | 19.04 | 2.59 | 1.50 |
| 600-Minute | 1 | 10 | 28.48 | 10.07 | 10 | 35.16 | 17.67 | 10 | 37.65 | 16.88 | 33.76 | 4.74 | 2.74 |
| | 2 | 10 | 19.63 | 7.71 | 10 | 19.12 | 9.01 | 10 | 26.08 | 6.85 | 21.61 | 3.88 | 2.24 |
| | 3 | 10 | 13.77 | 4.27 | 10 | 10.56 | 4.11 | 10 | 13.84 | 6.29 | 12.72 | 1.87 | 1.08 |
| | 4 | 10 | 13.75 | 6.29 | 10 | 14.10 | 9.63 | 10 | 7.91 | 3.93 | 11.92 | 3.48 | 2.01 |
| | 5 | 10 | 24.36 | 9.71 | 10 | 29.75 | 29.51 | 10 | 14.52 | 8.07 | 22.88 | 7.72 | 4.46 |

PARAMETER = Percent Power
CHANNEL = 4

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 038D DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 2.21 | 0.19 | 0.06 | 10 | 1.92 | 0.24 | 0.08 | 10 | 1.97 | 0.24 | 0.08 |
| | 2 | 10 | 5.77 | 0.14 | 0.05 | 10 | 5.68 | 0.24 | 0.08 | 10 | 5.85 | 0.31 | 0.10 |
| | 3 | 10 | 9.96 | 0.38 | 0.12 | 10 | 9.98 | 0.31 | 0.10 | 10 | 10.10 | 0.43 | 0.14 |
| | 4 | 10 | 15.23 | 0.38 | 0.12 | 10 | 15.40 | 0.45 | 0.14 | 10 | 15.29 | 0.48 | 0.15 |
| | 5 | 10 | 20.97 | 0.37 | 0.12 | 10 | 21.42 | 0.47 | 0.15 | 10 | 21.30 | 0.84 | 0.27 |
| | 9 | 10 | 11.68 | 1.73 | 0.55 | 10 | 11.22 | 2.24 | 0.71 | 10 | 9.84 | 2.55 | 0.81 |
| 90-Minute | 1 | 10 | 2.19 | 0.25 | 0.08 | 10 | 1.95 | 0.13 | 0.04 | 10 | 2.12 | 0.33 | 0.10 |
| | 2 | 10 | 5.45 | 0.40 | 0.13 | 10 | 5.43 | 0.31 | 0.10 | 10 | 5.40 | 0.34 | 0.11 |
| | 3 | 10 | 10.30 | 0.34 | 0.11 | 10 | 10.15 | 0.30 | 0.10 | 10 | 10.08 | 0.76 | 0.24 |
| | 4 | 10 | 14.06 | 3.55 | 1.12 | 10 | 15.25 | 0.46 | 0.15 | 10 | 15.23 | 0.56 | 0.18 |
| | 5 | 10 | 20.89 | 0.48 | 0.15 | 10 | 20.82 | 0.55 | 0.18 | 10 | 20.88 | 0.56 | 0.18 |
| | 9 | 10 | 6.79 | 1.41 | 0.45 | 10 | 6.87 | 0.97 | 0.31 | 10 | 6.77 | 1.62 | 0.51 |
| 300-Minute | 1 | 10 | 2.01 | 0.22 | 0.07 | 10 | 2.03 | 0.27 | 0.08 | 10 | 2.07 | 0.21 | 0.07 |
| | 2 | 10 | 5.40 | 0.22 | 0.07 | 10 | 5.12 | 0.76 | 0.24 | 10 | 5.35 | 0.35 | 0.11 |
| | 3 | 10 | 9.85 | 0.44 | 0.14 | 10 | 10.08 | 0.41 | 0.13 | 10 | 9.96 | 0.38 | 0.12 |
| | 4 | 10 | 15.19 | 0.40 | 0.13 | 10 | 15.15 | 0.60 | 0.19 | 10 | 15.16 | 0.20 | 0.06 |
| | 5 | 10 | 20.89 | 0.47 | 0.15 | 10 | 21.25 | 0.37 | 0.12 | 10 | 21.39 | 0.57 | 0.18 |
| | 9 | 10 | 5.73 | 0.83 | 0.26 | 10 | 6.38 | 1.47 | 0.46 | 10 | 6.75 | 2.31 | 0.73 |
| 600-Minute | 1 | 10 | 1.95 | 0.20 | 0.06 | 10 | 1.93 | 0.32 | 0.10 | 10 | 2.10 | 0.38 | 0.12 |
| | 2 | 10 | 5.42 | 0.38 | 0.12 | 10 | 5.28 | 0.19 | 0.06 | 10 | 5.44 | 0.34 | 0.11 |
| | 3 | 10 | 10.13 | 0.38 | 0.12 | 10 | 9.92 | 0.39 | 0.12 | 10 | 10.01 | 0.50 | 0.16 |
| | 4 | 10 | 15.34 | 0.41 | 0.13 | 10 | 15.07 | 0.34 | 0.11 | 10 | 15.24 | 0.36 | 0.11 |
| | 5 | 10 | 21.04 | 0.58 | 0.18 | 10 | 19.85 | 4.60 | 1.45 | 10 | 21.09 | 0.49 | 0.15 |
| | 9 | 10 | 6.83 | 1.94 | 0.61 | 10 | 7.13 | 1.29 | 0.41 | 10 | 6.92 | 1.43 | 0.45 |
| | 1 | 10 | 2.03 | 0.15 | 0.09 | 10 | 2.09 | 0.13 | 0.07 | 10 | 2.04 | 0.03 | 0.02 |
| | 2 | 10 | 5.77 | 0.09 | 0.05 | 10 | 5.43 | 0.02 | 0.01 | 10 | 5.29 | 0.15 | 0.09 |
| | 3 | 10 | 10.01 | 0.08 | 0.04 | 10 | 10.18 | 0.11 | 0.06 | 10 | 9.96 | 0.11 | 0.07 |
| | 4 | 10 | 15.31 | 0.08 | 0.05 | 10 | 14.85 | 0.68 | 0.39 | 10 | 15.17 | 0.02 | 0.01 |
| | 5 | 10 | 21.23 | 0.23 | 0.13 | 10 | 20.87 | 0.04 | 0.02 | 10 | 21.18 | 0.26 | 0.15 |
| | 9 | 10 | 10.91 | 0.96 | 0.55 | 10 | 6.81 | 0.05 | 0.03 | 10 | 6.29 | 0.52 | 0.30 |
| | 1 | 10 | 1.99 | 0.09 | 0.05 | 10 | 1.99 | 0.09 | 0.05 | 10 | 1.99 | 0.09 | 0.05 |
| | 2 | 10 | 5.38 | 0.09 | 0.05 | 10 | 5.38 | 0.09 | 0.05 | 10 | 5.38 | 0.09 | 0.05 |
| | 3 | 10 | 10.02 | 0.10 | 0.06 | 10 | 10.02 | 0.10 | 0.06 | 10 | 10.02 | 0.10 | 0.06 |
| | 4 | 10 | 15.22 | 0.14 | 0.08 | 10 | 15.22 | 0.14 | 0.08 | 10 | 15.22 | 0.14 | 0.08 |
| | 5 | 10 | 20.66 | 0.70 | 0.40 | 10 | 20.66 | 0.70 | 0.40 | 10 | 20.66 | 0.70 | 0.40 |
| | 9 | 10 | 6.96 | 0.15 | 0.09 | 10 | 6.96 | 0.15 | 0.09 | 10 | 6.96 | 0.15 | 0.09 |

PARAMETER = Mean Frequency
CHANNEL = 2

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
 TASK: 89-09
 DESCRIPTIVE STATISTICS FOR ANIMAL 038D DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
 CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|-------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | | |
| Baseline | 1 | 10 | 2.00 | 0.20 | 0.06 | 10 | 2.20 | 0.24 | 0.08 | 10 | 2.16 | 0.39 | 0.12 | 0.11 | 0.06 |
| | 2 | 10 | 5.85 | 0.41 | 0.13 | 10 | 5.75 | 0.27 | 0.09 | 10 | 5.67 | 0.31 | 0.10 | 5.76 | 0.09 |
| | 3 | 10 | 10.15 | 0.28 | 0.09 | 10 | 10.02 | 0.20 | 0.06 | 10 | 9.98 | 0.36 | 0.11 | 10.05 | 0.09 |
| | 4 | 10 | 15.34 | 0.47 | 0.15 | 10 | 15.29 | 0.52 | 0.16 | 10 | 15.19 | 0.47 | 0.15 | 15.27 | 0.08 |
| | 5 | 10 | 21.34 | 0.61 | 0.19 | 10 | 21.55 | 0.43 | 0.14 | 10 | 21.24 | 0.52 | 0.17 | 21.37 | 0.16 |
| 90-Minute | 9 | 10 | 12.35 | 0.95 | 0.30 | 10 | 12.54 | 1.13 | 0.36 | 10 | 12.57 | 1.35 | 0.43 | 12.49 | 0.12 |
| | 1 | 10 | 2.06 | 0.16 | 0.05 | 10 | 2.23 | 0.29 | 0.09 | 10 | 2.11 | 0.29 | 0.09 | 2.13 | 0.09 |
| | 2 | 10 | 5.29 | 0.25 | 0.08 | 10 | 5.37 | 0.33 | 0.10 | 10 | 5.34 | 0.34 | 0.11 | 5.33 | 0.04 |
| | 3 | 10 | 10.25 | 0.48 | 0.15 | 10 | 10.10 | 0.18 | 0.06 | 10 | 10.25 | 0.44 | 0.14 | 10.20 | 0.09 |
| | 4 | 10 | 13.86 | 3.29 | 1.04 | 10 | 15.09 | 0.20 | 0.06 | 10 | 15.08 | 0.41 | 0.13 | 14.68 | 0.71 |
| 300-Minute | 5 | 10 | 21.45 | 0.35 | 0.11 | 10 | 21.31 | 0.27 | 0.08 | 10 | 21.23 | 0.56 | 0.18 | 21.33 | 0.11 |
| | 9 | 10 | 6.75 | 1.56 | 0.49 | 10 | 6.99 | 0.74 | 0.23 | 10 | 7.91 | 1.67 | 0.53 | 7.22 | 0.61 |
| | 1 | 10 | 2.14 | 0.42 | 0.13 | 10 | 2.17 | 0.28 | 0.09 | 10 | 2.10 | 0.14 | 0.04 | 2.13 | 0.03 |
| | 2 | 10 | 5.34 | 0.34 | 0.11 | 10 | 5.14 | 0.67 | 0.21 | 10 | 5.65 | 0.31 | 0.10 | 5.38 | 0.26 |
| | 3 | 10 | 10.14 | 0.29 | 0.09 | 10 | 10.06 | 0.45 | 0.14 | 10 | 10.29 | 0.32 | 0.10 | 10.17 | 0.12 |
| 600-Minute | 4 | 10 | 15.40 | 0.41 | 0.13 | 10 | 15.37 | 0.44 | 0.14 | 10 | 15.29 | 0.42 | 0.13 | 15.35 | 0.05 |
| | 5 | 10 | 20.96 | 0.45 | 0.14 | 10 | 21.23 | 0.55 | 0.17 | 10 | 21.39 | 0.48 | 0.15 | 21.19 | 0.21 |
| | 9 | 10 | 9.59 | 1.93 | 0.61 | 10 | 8.09 | 2.98 | 0.94 | 10 | 10.18 | 2.15 | 0.68 | 9.29 | 1.08 |
| | 1 | 10 | 2.23 | 0.28 | 0.09 | 10 | 2.11 | 0.35 | 0.11 | 10 | 2.11 | 0.24 | 0.08 | 2.15 | 0.07 |
| | 2 | 10 | 5.47 | 0.30 | 0.10 | 10 | 5.36 | 0.34 | 0.11 | 10 | 5.46 | 0.28 | 0.09 | 5.43 | 0.06 |
| | 3 | 10 | 10.12 | 0.40 | 0.13 | 10 | 10.14 | 0.43 | 0.13 | 10 | 10.05 | 0.29 | 0.09 | 10.10 | 0.05 |
| | 4 | 10 | 15.22 | 0.43 | 0.14 | 10 | 15.27 | 0.38 | 0.12 | 10 | 15.25 | 0.28 | 0.09 | 15.25 | 0.03 |
| | 5 | 10 | 21.00 | 0.50 | 0.16 | 10 | 20.01 | 3.91 | 1.24 | 10 | 20.97 | 0.51 | 0.16 | 20.66 | 0.56 |
| | 9 | 10 | 10.34 | 2.15 | 0.68 | 10 | 9.46 | 3.26 | 1.03 | 10 | 7.87 | 2.25 | 0.71 | 9.22 | 1.25 |

PARAMETER = Mean Frequency
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 1.96 | 0.27 | 0.08 | 10 | 1.97 | 0.26 | 0.08 | 10 | 2.07 | 0.20 | 0.06 | 3 | 2.00 | 0.06 | 0.03 |
| | 2 | 10 | 5.84 | 0.25 | 0.08 | 10 | 5.93 | 0.45 | 0.14 | 10 | 5.62 | 0.45 | 0.14 | 3 | 5.80 | 0.16 | 0.09 |
| | 3 | 10 | 10.06 | 0.39 | 0.12 | 10 | 9.85 | 0.40 | 0.13 | 10 | 10.00 | 0.35 | 0.11 | 3 | 9.97 | 0.11 | 0.06 |
| | 4 | 10 | 15.24 | 0.59 | 0.19 | 10 | 15.30 | 0.42 | 0.13 | 10 | 15.13 | 0.42 | 0.13 | 3 | 15.23 | 0.09 | 0.05 |
| | 5 | 10 | 21.49 | 0.36 | 0.11 | 10 | 21.52 | 0.43 | 0.14 | 10 | 21.19 | 0.49 | 0.16 | 3 | 21.40 | 0.19 | 0.11 |
| 90-Minute | 9 | 10 | 10.26 | 1.45 | 0.46 | 10 | 10.56 | 1.30 | 0.41 | 10 | 10.04 | 1.27 | 0.40 | 3 | 10.29 | 0.26 | 0.15 |
| | 1 | 10 | 2.06 | 0.15 | 0.05 | 10 | 2.29 | 0.29 | 0.09 | 10 | 2.27 | 0.20 | 0.06 | 3 | 2.21 | 0.13 | 0.07 |
| | 2 | 10 | 5.25 | 0.40 | 0.13 | 10 | 5.38 | 0.35 | 0.11 | 10 | 5.39 | 0.41 | 0.13 | 3 | 5.34 | 0.08 | 0.04 |
| | 3 | 10 | 10.01 | 0.20 | 0.06 | 10 | 10.22 | 0.33 | 0.11 | 10 | 10.08 | 0.27 | 0.08 | 3 | 10.10 | 0.11 | 0.06 |
| | 4 | 10 | 14.04 | 3.41 | 1.08 | 10 | 14.91 | 0.46 | 0.15 | 10 | 14.78 | 0.35 | 0.11 | 3 | 14.58 | 0.47 | 0.27 |
| 300-Minute | 5 | 10 | 20.82 | 0.39 | 0.12 | 10 | 21.16 | 0.69 | 0.22 | 10 | 20.86 | 0.57 | 0.18 | 3 | 20.95 | 0.18 | 0.11 |
| | 9 | 10 | 5.70 | 2.11 | 0.67 | 10 | 6.33 | 1.42 | 0.45 | 10 | 6.42 | 0.80 | 0.25 | 3 | 6.15 | 0.39 | 0.23 |
| | 1 | 10 | 2.11 | 0.31 | 0.10 | 10 | 2.05 | 0.23 | 0.07 | 10 | 2.09 | 0.28 | 0.09 | 3 | 2.08 | 0.03 | 0.02 |
| | 2 | 10 | 5.42 | 0.27 | 0.08 | 10 | 5.01 | 0.94 | 0.30 | 10 | 5.57 | 0.28 | 0.09 | 3 | 5.33 | 0.29 | 0.17 |
| | 3 | 10 | 10.05 | 0.37 | 0.12 | 10 | 10.12 | 0.43 | 0.14 | 10 | 9.95 | 0.52 | 0.16 | 3 | 10.04 | 0.09 | 0.05 |
| 600-Minute | 4 | 10 | 14.93 | 0.28 | 0.09 | 10 | 15.25 | 0.44 | 0.14 | 10 | 15.03 | 0.45 | 0.14 | 3 | 15.07 | 0.16 | 0.09 |
| | 5 | 10 | 20.99 | 0.40 | 0.13 | 10 | 21.26 | 0.48 | 0.15 | 10 | 21.33 | 0.67 | 0.21 | 3 | 21.19 | 0.18 | 0.10 |
| | 9 | 10 | 6.12 | 1.26 | 0.40 | 10 | 5.64 | 1.18 | 0.37 | 10 | 7.10 | 1.51 | 0.48 | 3 | 6.29 | 0.74 | 0.43 |
| | 1 | 10 | 2.14 | 0.23 | 0.07 | 10 | 2.15 | 0.23 | 0.07 | 10 | 2.17 | 0.22 | 0.07 | 3 | 2.15 | 0.01 | 0.01 |
| | 2 | 10 | 5.36 | 0.31 | 0.10 | 10 | 5.33 | 0.28 | 0.09 | 10 | 5.65 | 0.41 | 0.13 | 3 | 5.44 | 0.18 | 0.10 |
| 600-Minute | 3 | 10 | 10.00 | 0.41 | 0.13 | 10 | 9.96 | 0.42 | 0.13 | 10 | 9.93 | 0.39 | 0.12 | 3 | 9.96 | 0.04 | 0.02 |
| | 4 | 10 | 15.22 | 0.46 | 0.14 | 10 | 15.34 | 0.19 | 0.06 | 10 | 15.00 | 0.32 | 0.10 | 3 | 15.18 | 0.18 | 0.10 |
| | 5 | 10 | 21.13 | 0.32 | 0.10 | 10 | 19.91 | 4.63 | 1.46 | 10 | 21.17 | 0.62 | 0.20 | 3 | 20.73 | 0.72 | 0.41 |
| | 9 | 10 | 7.18 | 1.36 | 0.43 | 10 | 6.82 | 1.57 | 0.50 | 10 | 6.81 | 1.32 | 0.42 | 3 | 6.94 | 0.21 | 0.12 |

PARAMETER = Peak Frequency
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 2.10 | 0.66 | 0.21 | 8 | 2.50 | 0.96 | 0.34 | 8 | 2.56 | 0.56 | 0.20 | 3 | 2.39 | 0.25 | 0.14 |
| | 2 | 10 | 6.27 | 0.93 | 0.29 | 8 | 5.69 | 0.80 | 0.28 | 10 | 6.40 | 0.99 | 0.31 | 3 | 6.12 | 0.38 | 0.22 |
| | 3 | 10 | 10.05 | 1.26 | 0.40 | 10 | 10.45 | 1.38 | 0.44 | 10 | 10.50 | 1.03 | 0.32 | 3 | 10.33 | 0.25 | 0.14 |
| | 4 | 10 | 15.25 | 1.55 | 0.49 | 10 | 15.60 | 1.15 | 0.36 | 10 | 16.00 | 1.22 | 0.39 | 3 | 15.62 | 0.38 | 0.22 |
| | 5 | 10 | 20.95 | 1.67 | 0.53 | 10 | 23.15 | 1.40 | 0.44 | 10 | 20.55 | 1.61 | 0.51 | 3 | 21.55 | 1.40 | 0.81 |
| 90-Minute | 9 | 10 | 11.55 | 6.67 | 2.11 | 10 | 13.05 | 5.31 | 1.68 | 10 | 9.90 | 6.88 | 2.17 | 3 | 11.50 | 1.58 | 0.91 |
| | 1 | 8 | 2.31 | 0.80 | 0.28 | 8 | 2.31 | 0.53 | 0.19 | 9 | 2.25 | 0.68 | 0.23 | 3 | 2.29 | 0.04 | 0.02 |
| | 2 | 10 | 5.60 | 0.88 | 0.28 | 10 | 5.60 | 0.99 | 0.31 | 8 | 6.00 | 0.76 | 0.27 | 3 | 5.73 | 0.23 | 0.13 |
| | 3 | 10 | 10.75 | 0.86 | 0.27 | 10 | 10.75 | 1.36 | 0.43 | 10 | 9.90 | 1.02 | 0.32 | 3 | 10.47 | 0.49 | 0.28 |
| | 4 | 10 | 13.80 | 4.54 | 1.44 | 10 | 15.40 | 1.35 | 0.43 | 10 | 15.25 | 1.16 | 0.37 | 3 | 14.82 | 0.88 | 0.51 |
| 300-Minute | 5 | 10 | 21.80 | 1.74 | 0.55 | 10 | 22.17 | 1.51 | 0.48 | 10 | 22.15 | 1.36 | 0.43 | 3 | 22.04 | 0.21 | 0.12 |
| | 9 | 10 | 2.55 | 1.28 | 0.40 | 10 | 3.02 | 1.75 | 0.55 | 10 | 2.87 | 1.63 | 0.52 | 3 | 2.82 | 0.24 | 0.14 |
| | 1 | 9 | 2.33 | 0.61 | 0.20 | 8 | 2.06 | 0.73 | 0.26 | 10 | 2.95 | 0.55 | 0.17 | 3 | 2.45 | 0.45 | 0.26 |
| | 2 | 9 | 5.78 | 1.00 | 0.33 | 9 | 4.89 | 1.52 | 0.51 | 10 | 6.00 | 0.53 | 0.17 | 3 | 5.56 | 0.59 | 0.34 |
| | 3 | 10 | 10.15 | 1.55 | 0.49 | 10 | 10.50 | 1.29 | 0.41 | 9 | 10.67 | 1.27 | 0.42 | 3 | 10.44 | 0.26 | 0.15 |
| 600-Minute | 4 | 9 | 15.67 | 1.44 | 0.48 | 10 | 14.70 | 1.16 | 0.37 | 10 | 15.90 | 1.22 | 0.39 | 3 | 15.42 | 0.64 | 0.37 |
| | 5 | 10 | 21.15 | 1.93 | 0.61 | 10 | 22.35 | 1.47 | 0.47 | 10 | 21.60 | 2.27 | 0.72 | 3 | 21.70 | 0.61 | 0.35 |
| | 9 | 10 | 4.15 | 4.57 | 1.45 | 10 | 2.85 | 1.27 | 0.40 | 10 | 3.95 | 1.50 | 0.47 | 3 | 3.65 | 0.70 | 0.40 |
| | 1 | 9 | 2.44 | 0.58 | 0.19 | 10 | 2.55 | 0.76 | 0.24 | 8 | 2.50 | 0.71 | 0.25 | 3 | 2.50 | 0.05 | 0.03 |
| | 2 | 10 | 5.20 | 0.54 | 0.17 | 10 | 5.30 | 0.71 | 0.23 | 10 | 5.60 | 0.94 | 0.30 | 3 | 5.37 | 0.21 | 0.12 |
| 900-Minute | 3 | 10 | 10.15 | 1.13 | 0.36 | 10 | 10.05 | 1.23 | 0.39 | 10 | 10.40 | 0.97 | 0.31 | 3 | 10.20 | 0.18 | 0.10 |
| | 4 | 9 | 15.94 | 1.10 | 0.37 | 10 | 15.35 | 1.40 | 0.44 | 10 | 15.10 | 1.20 | 0.38 | 3 | 15.46 | 0.43 | 0.25 |
| | 5 | 10 | 20.05 | 1.17 | 0.37 | 10 | 20.20 | 6.77 | 2.14 | 10 | 21.65 | 2.06 | 0.65 | 3 | 20.63 | 0.88 | 0.51 |
| | 9 | 10 | 2.95 | 1.21 | 0.38 | 10 | 3.60 | 2.22 | 0.70 | 10 | 3.50 | 1.80 | 0.57 | 3 | 3.35 | 0.35 | 0.20 |

PARAMETER = Peak Frequency
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | | Windows 11-20 | | | | Windows 21-30 | | | | Grand Mean | |
|------------|---------------|--------------|-------|------|------|---------------|-------|------|------|---------------|-------|------|------|------------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | Mean | Std. |
| Baseline | 1 | 7 | 2.50 | 0.58 | 0.22 | 8 | 2.34 | 0.72 | 0.25 | 10 | 2.05 | 0.50 | 0.16 | 2.30 | 0.23 |
| | 2 | 10 | 6.00 | 0.71 | 0.22 | 10 | 5.95 | 1.01 | 0.32 | 10 | 5.75 | 0.98 | 0.31 | 5.90 | 0.13 |
| | 3 | 10 | 10.55 | 1.09 | 0.35 | 10 | 9.65 | 0.85 | 0.27 | 10 | 9.55 | 1.17 | 0.37 | 9.92 | 0.08 |
| | 4 | 10 | 15.50 | 1.05 | 0.33 | 10 | 15.90 | 1.35 | 0.43 | 10 | 15.35 | 1.58 | 0.50 | 15.58 | 0.32 |
| | 5 | 10 | 21.20 | 1.72 | 0.54 | 10 | 22.35 | 1.84 | 0.58 | 10 | 21.50 | 1.67 | 0.53 | 21.68 | 0.16 |
| | 9 | 10 | 7.85 | 7.03 | 2.22 | 10 | 6.30 | 6.03 | 1.91 | 10 | 5.45 | 4.63 | 1.46 | 6.53 | 0.34 |
| 90-Minute | 1 | 8 | 2.25 | 0.60 | 0.21 | 10 | 2.65 | 0.58 | 0.18 | 10 | 2.35 | 0.47 | 0.15 | 2.42 | 0.21 |
| | 2 | 8 | 5.81 | 1.07 | 0.38 | 10 | 6.10 | 0.97 | 0.31 | 9 | 5.72 | 0.67 | 0.22 | 5.88 | 0.12 |
| | 3 | 10 | 9.60 | 0.94 | 0.30 | 9 | 11.44 | 1.07 | 0.36 | 10 | 10.10 | 1.37 | 0.43 | 10.38 | 0.11 |
| | 4 | 9 | 13.28 | 4.70 | 1.57 | 10 | 16.10 | 1.43 | 0.45 | 9 | 14.83 | 0.79 | 0.26 | 14.74 | 0.55 |
| | 5 | 10 | 21.05 | 1.61 | 0.51 | 10 | 21.55 | 1.61 | 0.51 | 10 | 20.90 | 1.76 | 0.56 | 21.17 | 0.82 |
| | 9 | 10 | 2.45 | 1.12 | 0.35 | 10 | 3.20 | 0.86 | 0.27 | 10 | 2.80 | 1.18 | 0.37 | 2.82 | 0.20 |
| 300-Minute | 1 | 9 | 2.78 | 0.67 | 0.22 | 9 | 1.83 | 0.56 | 0.19 | 8 | 2.19 | 0.75 | 0.27 | 2.27 | 0.38 |
| | 2 | 10 | 5.85 | 1.03 | 0.33 | 8 | 4.81 | 1.69 | 0.60 | 10 | 5.75 | 1.03 | 0.33 | 5.47 | 0.28 |
| | 3 | 10 | 10.25 | 1.32 | 0.42 | 10 | 10.35 | 1.29 | 0.41 | 10 | 10.45 | 1.61 | 0.51 | 10.35 | 0.33 |
| | 4 | 10 | 15.45 | 1.46 | 0.46 | 10 | 15.90 | 1.39 | 0.44 | 9 | 15.28 | 1.48 | 0.49 | 15.54 | 0.06 |
| | 5 | 10 | 21.10 | 1.17 | 0.37 | 10 | 21.55 | 1.32 | 0.42 | 10 | 21.60 | 1.74 | 0.55 | 21.42 | 0.19 |
| | 9 | 10 | 3.40 | 1.71 | 0.54 | 10 | 2.85 | 2.37 | 0.75 | 10 | 2.65 | 1.18 | 0.37 | 2.97 | 0.16 |
| 600-Minute | 1 | 10 | 2.10 | 0.52 | 0.16 | 10 | 2.45 | 0.72 | 0.23 | 10 | 2.15 | 0.63 | 0.20 | 2.23 | 0.22 |
| | 2 | 10 | 6.00 | 0.88 | 0.28 | 10 | 5.90 | 1.10 | 0.35 | 10 | 5.90 | 0.66 | 0.21 | 5.93 | 0.11 |
| | 3 | 10 | 10.10 | 1.47 | 0.46 | 10 | 10.35 | 1.25 | 0.39 | 10 | 10.05 | 1.26 | 0.40 | 10.17 | 0.03 |
| | 4 | 10 | 15.40 | 1.24 | 0.39 | 10 | 15.75 | 1.18 | 0.37 | 10 | 15.05 | 1.14 | 0.36 | 15.40 | 0.09 |
| | 5 | 10 | 21.50 | 2.00 | 0.63 | 10 | 20.40 | 6.63 | 2.10 | 10 | 21.25 | 1.89 | 0.60 | 21.05 | 0.35 |
| | 9 | 10 | 2.80 | 1.32 | 0.42 | 10 | 2.90 | 0.99 | 0.31 | 10 | 2.45 | 1.36 | 0.43 | 2.72 | 0.20 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 038D DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | | | | |
|------------|------------|--------------|--------|--------|---------------|----|--------|---------------|--------|----|------------|--------|--------|---|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | | | | |
| Baseline | 1 | 10 | 41.92 | 29.28 | 9.26 | 10 | 54.98 | 51.20 | 16.19 | 10 | 73.14 | 48.15 | 15.23 | 3 | 56.68 | 15.68 | 9.05 |
| | 2 | 10 | 33.30 | 29.86 | 9.44 | 10 | 27.57 | 10.46 | 3.31 | 10 | 46.10 | 44.05 | 13.93 | 3 | 35.66 | 9.49 | 5.48 |
| | 3 | 10 | 73.46 | 46.20 | 14.61 | 10 | 48.54 | 13.54 | 4.28 | 10 | 58.92 | 62.15 | 19.65 | 3 | 60.31 | 12.52 | 7.23 |
| | 4 | 10 | 51.24 | 57.09 | 18.05 | 10 | 37.69 | 11.29 | 3.57 | 10 | 41.60 | 53.16 | 16.81 | 3 | 43.51 | 6.97 | 4.03 |
| | 5 | 10 | 65.88 | 83.78 | 26.50 | 10 | 48.37 | 12.28 | 3.88 | 10 | 67.78 | 121.59 | 38.45 | 3 | 60.68 | 10.70 | 6.18 |
| | 6 | 10 | 43.41 | 41.40 | 13.09 | 10 | 32.12 | 8.92 | 2.82 | 10 | 46.16 | 99.32 | 31.41 | 3 | 40.57 | 7.44 | 4.29 |
| | 7 | 10 | 264.92 | 511.35 | 161.70 | 10 | 122.03 | 26.52 | 8.39 | 10 | 199.14 | 446.91 | 141.32 | 3 | 195.36 | 71.52 | 41.29 |
| | 8 | 10 | 2.92 | 3.99 | 1.26 | 10 | 1.90 | 1.08 | 0.34 | 10 | 4.32 | 11.39 | 3.60 | 3 | 3.05 | 1.21 | 0.70 |
| | 9 | 10 | 265.80 | 236.78 | 74.88 | 10 | 217.16 | 46.47 | 14.69 | 10 | 287.54 | 305.48 | 96.60 | 3 | 256.83 | 36.04 | 20.81 |
| 90-Minute | 1 | 10 | 101.42 | 51.74 | 16.36 | 10 | 119.47 | 76.68 | 24.25 | 10 | 120.02 | 55.37 | 17.51 | 3 | 113.64 | 10.58 | 6.11 |
| | 2 | 10 | 51.71 | 21.63 | 6.84 | 10 | 60.91 | 31.96 | 10.11 | 10 | 56.87 | 27.12 | 8.57 | 3 | 56.50 | 4.61 | 2.66 |
| | 3 | 10 | 24.95 | 8.36 | 2.64 | 10 | 28.83 | 10.43 | 3.30 | 10 | 30.54 | 18.63 | 5.89 | 3 | 28.11 | 2.86 | 1.65 |
| | 4 | 10 | 35.22 | 48.48 | 15.33 | 10 | 26.17 | 13.71 | 4.34 | 10 | 23.73 | 21.91 | 6.93 | 3 | 28.37 | 6.06 | 3.50 |
| | 5 | 10 | 20.05 | 10.72 | 3.39 | 10 | 21.60 | 10.58 | 3.35 | 10 | 23.62 | 14.72 | 4.66 | 3 | 21.75 | 1.79 | 1.03 |
| | 6 | 10 | 8.11 | 6.07 | 1.92 | 10 | 12.59 | 10.13 | 3.20 | 10 | 9.68 | 6.11 | 1.93 | 3 | 10.12 | 2.27 | 1.31 |
| | 7 | 10 | 26.12 | 34.19 | 10.81 | 10 | 43.17 | 48.89 | 15.46 | 10 | 48.85 | 72.72 | 23.00 | 3 | 39.38 | 11.83 | 6.83 |
| | 8 | 10 | 1.54 | 2.65 | 0.84 | 10 | 2.48 | 3.74 | 1.18 | 10 | 2.63 | 5.71 | 1.81 | 3 | 2.22 | 0.59 | 0.34 |
| | 9 | 10 | 217.94 | 62.92 | 19.90 | 10 | 256.98 | 121.46 | 38.41 | 10 | 254.77 | 101.72 | 32.17 | 3 | 243.23 | 21.93 | 12.66 |
| 300-Minute | 1 | 10 | 153.97 | 75.93 | 24.01 | 10 | 236.59 | 264.44 | 83.62 | 10 | 152.00 | 65.63 | 20.76 | 3 | 180.86 | 48.28 | 27.87 |
| | 2 | 10 | 50.62 | 17.42 | 5.51 | 10 | 129.00 | 116.59 | 36.87 | 10 | 63.51 | 23.44 | 7.41 | 3 | 81.05 | 42.03 | 24.27 |
| | 3 | 10 | 25.59 | 10.84 | 3.43 | 10 | 39.22 | 27.62 | 8.73 | 10 | 32.96 | 15.00 | 4.74 | 3 | 32.59 | 6.82 | 3.94 |
| | 4 | 10 | 16.50 | 8.01 | 2.53 | 10 | 24.97 | 14.53 | 4.60 | 10 | 24.43 | 11.67 | 3.69 | 3 | 21.97 | 4.74 | 2.74 |
| | 5 | 10 | 19.28 | 10.38 | 3.28 | 10 | 27.13 | 14.18 | 4.48 | 10 | 26.85 | 13.28 | 4.20 | 3 | 24.42 | 4.46 | 2.57 |
| | 6 | 10 | 10.76 | 3.03 | 0.96 | 10 | 15.24 | 7.71 | 2.44 | 10 | 19.76 | 16.05 | 5.07 | 3 | 15.25 | 4.50 | 2.60 |
| | 7 | 10 | 34.61 | 18.92 | 5.98 | 10 | 39.07 | 23.75 | 7.51 | 10 | 55.86 | 29.93 | 9.46 | 3 | 43.18 | 11.21 | 6.47 |
| | 8 | 10 | 0.19 | 0.29 | 0.09 | 10 | 0.41 | 0.55 | 0.17 | 10 | 1.08 | 0.84 | 0.26 | 3 | 0.56 | 0.47 | 0.27 |
| | 9 | 10 | 265.96 | 111.44 | 35.24 | 10 | 437.35 | 382.15 | 120.85 | 10 | 306.19 | 84.53 | 26.73 | 3 | 336.50 | 89.62 | 51.74 |
| 600-Minute | 1 | 10 | 100.26 | 48.88 | 15.46 | 10 | 74.03 | 27.78 | 8.78 | 10 | 51.92 | 30.00 | 9.49 | 3 | 75.40 | 24.20 | 13.97 |
| | 2 | 10 | 37.37 | 18.47 | 5.84 | 10 | 35.33 | 16.58 | 5.24 | 10 | 32.12 | 14.79 | 4.68 | 3 | 34.94 | 2.64 | 1.53 |
| | 3 | 10 | 23.70 | 7.62 | 2.41 | 10 | 16.98 | 5.49 | 1.74 | 10 | 18.79 | 6.24 | 1.97 | 3 | 19.82 | 3.48 | 2.01 |
| | 4 | 10 | 15.67 | 10.25 | 3.24 | 10 | 15.08 | 8.48 | 2.68 | 10 | 7.12 | 1.57 | 0.50 | 3 | 12.62 | 4.77 | 2.76 |
| | 5 | 10 | 20.07 | 7.82 | 2.47 | 10 | 28.84 | 30.85 | 9.76 | 10 | 10.73 | 3.13 | 0.99 | 3 | 19.88 | 9.06 | 5.23 |
| | 6 | 10 | 13.73 | 5.54 | 1.75 | 10 | 13.30 | 8.08 | 2.56 | 10 | 5.87 | 1.84 | 0.58 | 3 | 10.97 | 4.42 | 2.55 |
| | 7 | 10 | 45.83 | 28.16 | 8.91 | 10 | 40.04 | 31.37 | 9.92 | 10 | 7.93 | 4.09 | 1.29 | 3 | 31.27 | 20.42 | 11.79 |
| | 8 | 10 | 0.69 | 0.72 | 0.23 | 10 | 0.64 | 0.89 | 0.28 | 10 | 0.06 | 0.13 | 0.04 | 3 | 0.46 | 0.35 | 0.20 |
| | 9 | 10 | 197.06 | 51.00 | 16.13 | 10 | 160.97 | 51.57 | 16.31 | 10 | 120.68 | 32.71 | 10.34 | 3 | 159.57 | 38.21 | 22.06 |

PARAMETER = Total Power
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|--------|--------|---------------|----|--------|---------------|--------|----|------------|--------|-------|---|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 27.55 | 12.07 | 3.82 | 10 | 36.94 | 27.67 | 8.75 | 10 | 55.80 | 45.39 | 14.35 | 3 | 40.10 | 14.38 | 8.30 |
| | 2 | 10 | 26.16 | 9.70 | 3.07 | 10 | 22.80 | 9.36 | 2.96 | 10 | 42.96 | 32.09 | 10.15 | 3 | 30.64 | 10.80 | 6.24 |
| | 3 | 10 | 47.36 | 15.06 | 4.76 | 10 | 42.18 | 25.35 | 8.02 | 10 | 54.24 | 40.41 | 12.78 | 3 | 47.93 | 6.05 | 3.49 |
| | 4 | 10 | 43.30 | 18.68 | 5.91 | 10 | 49.01 | 21.68 | 6.86 | 10 | 41.38 | 11.83 | 3.74 | 3 | 44.56 | 3.97 | 2.29 |
| | 5 | 10 | 51.23 | 29.69 | 9.39 | 10 | 40.68 | 13.50 | 4.27 | 10 | 47.88 | 17.79 | 5.63 | 3 | 46.60 | 5.39 | 3.11 |
| | 6 | 10 | 45.36 | 33.23 | 10.51 | 10 | 41.58 | 19.80 | 6.26 | 10 | 35.19 | 27.97 | 8.84 | 3 | 40.71 | 5.14 | 2.97 |
| | 7 | 10 | 130.84 | 78.44 | 24.80 | 10 | 131.34 | 69.67 | 22.03 | 10 | 104.26 | 105.16 | 33.25 | 3 | 122.15 | 15.50 | 8.95 |
| | 8 | 10 | 1.13 | 0.89 | 0.28 | 10 | 1.09 | 0.30 | 0.09 | 10 | 1.08 | 1.44 | 0.45 | 3 | 1.10 | 0.03 | 0.02 |
| | 9 | 10 | 195.60 | 43.22 | 13.67 | 10 | 191.61 | 40.88 | 12.93 | 10 | 242.26 | 116.72 | 36.91 | 3 | 209.82 | 28.16 | 16.26 |
| 90-Minute | 1 | 10 | 123.04 | 124.12 | 39.25 | 10 | 119.45 | 87.42 | 27.64 | 10 | 130.07 | 70.82 | 22.40 | 3 | 124.19 | 5.40 | 3.12 |
| | 2 | 10 | 62.33 | 27.55 | 8.71 | 10 | 74.61 | 34.88 | 11.03 | 10 | 65.75 | 22.55 | 7.13 | 3 | 67.56 | 6.33 | 3.66 |
| | 3 | 10 | 32.07 | 11.42 | 3.61 | 10 | 47.47 | 18.88 | 5.97 | 10 | 37.19 | 17.35 | 5.49 | 3 | 38.91 | 7.84 | 4.53 |
| | 4 | 10 | 48.28 | 56.36 | 17.82 | 10 | 29.38 | 20.41 | 6.45 | 10 | 28.91 | 16.80 | 5.31 | 3 | 35.52 | 11.05 | 6.38 |
| | 5 | 10 | 28.17 | 21.51 | 6.80 | 10 | 30.13 | 28.48 | 9.00 | 10 | 38.70 | 32.72 | 10.35 | 3 | 32.34 | 5.60 | 3.23 |
| | 6 | 10 | 13.56 | 9.82 | 3.11 | 10 | 14.91 | 18.40 | 5.82 | 10 | 19.08 | 17.95 | 5.68 | 3 | 15.85 | 2.88 | 1.66 |
| | 7 | 10 | 81.87 | 92.75 | 29.33 | 10 | 55.93 | 61.94 | 19.59 | 10 | 91.76 | 98.69 | 31.21 | 3 | 76.52 | 18.51 | 10.68 |
| | 8 | 10 | 2.55 | 4.18 | 1.32 | 10 | 2.95 | 5.00 | 1.58 | 10 | 3.48 | 5.62 | 1.78 | 3 | 2.99 | 0.46 | 0.27 |
| | 9 | 10 | 276.63 | 147.22 | 46.56 | 10 | 301.04 | 139.07 | 43.98 | 10 | 300.63 | 127.26 | 40.24 | 3 | 292.77 | 13.97 | 8.07 |
| 300-Minute | 1 | 10 | 114.71 | 69.03 | 21.83 | 10 | 192.11 | 247.18 | 78.17 | 10 | 103.34 | 34.56 | 10.93 | 3 | 136.72 | 48.30 | 27.89 |
| | 2 | 10 | 51.66 | 29.49 | 9.33 | 10 | 88.60 | 71.23 | 22.52 | 10 | 74.36 | 35.82 | 11.33 | 3 | 71.54 | 18.63 | 10.75 |
| | 3 | 10 | 41.47 | 16.59 | 5.25 | 10 | 31.37 | 10.93 | 3.46 | 10 | 36.37 | 12.93 | 4.09 | 3 | 36.40 | 5.05 | 2.92 |
| | 4 | 10 | 23.29 | 7.64 | 2.41 | 10 | 24.93 | 12.75 | 4.03 | 10 | 29.68 | 4.33 | 1.37 | 3 | 25.97 | 3.32 | 1.92 |
| | 5 | 10 | 29.98 | 18.13 | 5.73 | 10 | 28.67 | 15.22 | 4.81 | 10 | 35.87 | 14.61 | 4.62 | 3 | 31.51 | 3.84 | 2.22 |
| | 6 | 10 | 22.53 | 15.92 | 5.04 | 10 | 14.15 | 6.24 | 1.97 | 10 | 26.40 | 14.77 | 4.67 | 3 | 21.03 | 6.26 | 3.62 |
| | 7 | 10 | 75.35 | 48.24 | 15.25 | 10 | 58.78 | 46.43 | 14.68 | 10 | 84.25 | 39.76 | 12.57 | 3 | 72.80 | 12.93 | 7.46 |
| | 8 | 10 | 1.05 | 0.97 | 0.31 | 10 | 0.35 | 0.38 | 0.12 | 10 | 1.53 | 1.12 | 0.35 | 3 | 0.98 | 0.59 | 0.34 |
| | 9 | 10 | 261.13 | 102.63 | 32.45 | 10 | 355.29 | 328.77 | 103.97 | 10 | 280.02 | 52.24 | 16.52 | 3 | 298.81 | 49.81 | 28.76 |
| 600-Minute | 1 | 10 | 78.33 | 33.55 | 10.61 | 10 | 42.36 | 20.99 | 6.64 | 10 | 46.97 | 16.24 | 5.13 | 3 | 55.89 | 19.57 | 11.30 |
| | 2 | 10 | 47.03 | 15.57 | 4.92 | 10 | 36.67 | 14.50 | 4.58 | 10 | 40.03 | 17.86 | 5.65 | 3 | 41.24 | 5.28 | 3.05 |
| | 3 | 10 | 26.11 | 7.12 | 2.25 | 10 | 22.72 | 9.39 | 2.97 | 10 | 24.47 | 6.14 | 1.94 | 3 | 24.43 | 1.69 | 0.98 |
| | 4 | 10 | 16.61 | 8.19 | 2.59 | 10 | 12.56 | 4.73 | 1.50 | 10 | 12.75 | 4.70 | 1.49 | 3 | 13.97 | 2.28 | 1.32 |
| | 5 | 10 | 21.57 | 7.18 | 2.27 | 10 | 24.25 | 17.29 | 5.47 | 10 | 15.24 | 6.40 | 2.02 | 3 | 20.35 | 4.63 | 2.67 |
| | 6 | 10 | 14.27 | 4.54 | 1.43 | 10 | 10.85 | 3.42 | 1.08 | 10 | 7.70 | 3.96 | 1.25 | 3 | 10.94 | 3.29 | 1.90 |
| | 7 | 10 | 50.56 | 22.91 | 7.25 | 10 | 31.68 | 16.23 | 5.13 | 10 | 20.57 | 9.64 | 3.05 | 3 | 34.27 | 15.16 | 8.75 |
| | 8 | 10 | 0.52 | 0.51 | 0.16 | 10 | 0.52 | 0.53 | 0.17 | 10 | 0.23 | 0.23 | 0.07 | 3 | 0.42 | 0.17 | 0.10 |
| | 9 | 10 | 189.64 | 57.05 | 18.04 | 10 | 132.75 | 43.54 | 13.77 | 10 | 139.46 | 27.72 | 8.77 | 3 | 153.95 | 31.09 | 17.95 |

Animal 122X

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 122X DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 1

| Blood Draw | Freq. Band | N | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|----|--------------|-------|------|---------------|-------|------|---------------|-------|------|------------|------|------|
| | | | Mean | Std. | S.E. | Mean | Std. | S.E. | Mean | Std. | S.E. | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 29.04 | 9.99 | 3.16 | 24.96 | 9.86 | 3.12 | 29.22 | 12.15 | 3.84 | 27.74 | 2.41 | 1.39 |
| | 2 | 10 | 20.66 | 5.07 | 1.60 | 21.19 | 6.84 | 2.16 | 22.59 | 6.39 | 2.02 | 21.48 | 1.00 | 0.58 |
| | 3 | 10 | 23.00 | 8.27 | 2.61 | 21.23 | 10.08 | 3.19 | 25.89 | 8.13 | 2.57 | 23.37 | 2.35 | 1.36 |
| | 4 | 10 | 14.94 | 6.34 | 2.01 | 14.88 | 4.12 | 1.30 | 10.86 | 3.75 | 1.19 | 13.56 | 2.34 | 1.35 |
| | 5 | 10 | 12.37 | 8.05 | 2.55 | 17.75 | 10.55 | 3.34 | 11.44 | 7.96 | 2.52 | 13.85 | 3.41 | 1.97 |
| 90-Minute | 1 | 10 | 26.58 | 12.99 | 4.11 | 29.31 | 13.72 | 4.34 | 28.68 | 11.81 | 3.73 | 28.19 | 1.43 | 0.83 |
| | 2 | 10 | 22.53 | 13.89 | 4.39 | 24.31 | 13.34 | 4.22 | 17.59 | 5.48 | 1.73 | 21.48 | 3.48 | 2.01 |
| | 3 | 10 | 19.21 | 7.60 | 2.40 | 20.98 | 7.77 | 2.46 | 22.34 | 7.61 | 2.41 | 20.85 | 1.57 | 0.90 |
| | 4 | 10 | 14.75 | 7.48 | 2.36 | 10.55 | 4.68 | 1.48 | 15.37 | 5.34 | 1.69 | 13.56 | 2.62 | 1.51 |
| | 5 | 10 | 16.92 | 10.15 | 3.21 | 14.83 | 11.45 | 3.62 | 16.02 | 4.71 | 1.49 | 15.92 | 1.05 | 0.60 |
| 300-Minute | 1 | 10 | 28.79 | 11.96 | 3.78 | 28.21 | 15.36 | 4.86 | 28.83 | 11.54 | 3.65 | 28.61 | 0.35 | 0.20 |
| | 2 | 10 | 26.71 | 10.40 | 3.29 | 22.62 | 4.96 | 1.57 | 21.82 | 6.15 | 1.94 | 23.72 | 2.63 | 1.52 |
| | 3 | 10 | 17.31 | 6.33 | 2.00 | 17.90 | 5.07 | 1.60 | 20.02 | 5.76 | 1.82 | 18.41 | 1.42 | 0.82 |
| | 4 | 10 | 13.11 | 5.26 | 1.66 | 13.25 | 4.64 | 1.47 | 11.29 | 2.51 | 0.79 | 12.55 | 1.09 | 0.63 |
| | 5 | 10 | 14.07 | 7.97 | 2.52 | 18.01 | 8.94 | 2.83 | 18.03 | 10.50 | 3.32 | 16.71 | 2.28 | 1.32 |
| 600-Minute | 1 | 10 | 37.32 | 15.30 | 4.84 | 28.06 | 9.42 | 2.98 | 23.49 | 12.46 | 3.94 | 29.62 | 7.04 | 4.07 |
| | 2 | 10 | 24.26 | 6.55 | 2.07 | 25.71 | 11.50 | 3.64 | 24.02 | 8.60 | 2.72 | 24.67 | 0.92 | 0.53 |
| | 3 | 10 | 16.11 | 7.04 | 2.23 | 21.52 | 6.17 | 1.95 | 24.43 | 6.47 | 2.05 | 20.69 | 4.22 | 2.44 |
| | 4 | 10 | 8.48 | 3.94 | 1.24 | 11.60 | 4.84 | 1.53 | 12.41 | 4.66 | 1.47 | 10.83 | 2.07 | 1.20 |
| | 5 | 10 | 13.83 | 7.24 | 2.29 | 13.10 | 9.26 | 2.93 | 15.64 | 7.04 | 2.23 | 14.19 | 1.30 | 0.75 |

PARAMETER = Percent Power
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | | Windows 11-20 | | | | Windows 21-30 | | | | Grand Mean | | S.E. | |
|------------|------------|--------------|-------|-------|------|---------------|-------|-------|------|---------------|-------|------|------|------------|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 24.16 | 8.04 | 2.54 | 10 | 25.96 | 12.30 | 3.89 | 10 | 27.52 | 8.30 | 2.62 | 3 | 25.88 | 1.68 | 0.97 |
| | 2 | 10 | 20.86 | 8.66 | 2.74 | 10 | 19.90 | 5.23 | 1.65 | 10 | 20.84 | 5.31 | 1.68 | 3 | 20.53 | 0.55 | 0.32 |
| | 3 | 10 | 26.59 | 12.98 | 4.11 | 10 | 22.28 | 12.61 | 3.99 | 10 | 29.57 | 8.95 | 2.83 | 3 | 26.15 | 3.66 | 2.11 |
| | 4 | 10 | 15.95 | 6.21 | 1.96 | 10 | 17.70 | 5.81 | 1.84 | 10 | 11.26 | 4.04 | 1.28 | 3 | 14.97 | 3.33 | 1.92 |
| | 5 | 10 | 12.44 | 9.47 | 3.00 | 10 | 14.16 | 8.96 | 2.83 | 10 | 10.81 | 8.58 | 2.71 | 3 | 12.47 | 1.68 | 0.97 |
| 90-Minute | 1 | 10 | 25.57 | 5.96 | 1.88 | 10 | 31.33 | 11.62 | 3.68 | 10 | 28.65 | 6.11 | 1.93 | 3 | 28.51 | 2.88 | 1.66 |
| | 2 | 10 | 25.59 | 13.61 | 4.30 | 10 | 20.12 | 7.38 | 2.33 | 10 | 19.34 | 7.29 | 2.31 | 3 | 21.68 | 3.41 | 1.97 |
| | 3 | 10 | 17.78 | 6.55 | 2.07 | 10 | 19.33 | 6.58 | 2.08 | 10 | 18.39 | 6.33 | 2.00 | 3 | 18.50 | 0.79 | 0.45 |
| | 4 | 10 | 14.67 | 4.87 | 1.54 | 10 | 13.86 | 8.72 | 2.76 | 10 | 20.34 | 4.39 | 1.39 | 3 | 16.29 | 3.53 | 2.04 |
| | 5 | 10 | 16.40 | 8.43 | 2.67 | 10 | 15.36 | 10.86 | 3.43 | 10 | 13.29 | 4.43 | 1.40 | 3 | 15.02 | 1.58 | 0.91 |
| 300-Minute | 1 | 10 | 29.79 | 13.01 | 4.12 | 10 | 33.95 | 12.51 | 3.95 | 10 | 25.75 | 9.66 | 3.06 | 3 | 29.83 | 4.10 | 2.36 |
| | 2 | 10 | 22.46 | 9.29 | 2.94 | 10 | 16.68 | 8.97 | 2.84 | 10 | 25.35 | 8.14 | 2.57 | 3 | 21.49 | 4.42 | 2.55 |
| | 3 | 10 | 20.93 | 8.47 | 2.68 | 10 | 20.02 | 6.32 | 2.00 | 10 | 22.99 | 6.80 | 2.15 | 3 | 21.31 | 1.52 | 0.88 |
| | 4 | 10 | 13.89 | 7.19 | 2.27 | 10 | 16.24 | 6.99 | 2.21 | 10 | 12.07 | 2.59 | 0.82 | 3 | 14.07 | 2.09 | 1.21 |
| | 5 | 10 | 12.93 | 9.54 | 3.02 | 10 | 13.11 | 4.73 | 1.50 | 10 | 13.84 | 6.85 | 2.16 | 3 | 13.29 | 0.48 | 0.28 |
| 600-Minute | 1 | 10 | 30.57 | 14.94 | 4.73 | 10 | 29.92 | 8.98 | 2.84 | 10 | 26.53 | 9.27 | 2.93 | 3 | 29.00 | 2.17 | 1.25 |
| | 2 | 10 | 27.77 | 7.59 | 2.40 | 10 | 29.68 | 9.31 | 2.94 | 10 | 25.39 | 6.88 | 2.18 | 3 | 27.61 | 2.15 | 1.24 |
| | 3 | 10 | 15.68 | 4.50 | 1.42 | 10 | 16.66 | 4.35 | 1.38 | 10 | 19.84 | 4.07 | 1.29 | 3 | 17.39 | 2.18 | 1.26 |
| | 4 | 10 | 12.19 | 5.40 | 1.71 | 10 | 12.11 | 5.39 | 1.70 | 10 | 14.44 | 5.47 | 1.73 | 3 | 12.92 | 1.32 | 0.76 |
| | 5 | 10 | 13.80 | 9.03 | 2.86 | 10 | 11.63 | 6.74 | 2.13 | 10 | 13.79 | 6.00 | 1.90 | 3 | 13.07 | 1.25 | 0.72 |

PARAMETER = Percent Power
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | | Windows 11-20 | | | | Windows 21-30 | | | | Grand Mean | | | |
|------------|------------|--------------|-------|-------|------|---------------|-------|-------|------|---------------|-------|-------|------|------------|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 24.37 | 9.46 | 2.99 | 10 | 29.76 | 9.52 | 3.01 | 10 | 22.33 | 7.84 | 2.48 | 3 | 25.49 | 3.84 | 2.22 |
| | 2 | 10 | 21.14 | 10.56 | 3.34 | 10 | 22.24 | 4.84 | 1.53 | 10 | 25.16 | 6.44 | 2.04 | 3 | 22.84 | 2.08 | 1.20 |
| | 3 | 10 | 28.63 | 10.97 | 3.47 | 10 | 20.50 | 7.70 | 2.43 | 10 | 32.75 | 8.45 | 2.67 | 3 | 27.29 | 6.23 | 3.60 |
| | 4 | 10 | 18.85 | 10.29 | 3.26 | 10 | 17.05 | 5.28 | 1.67 | 10 | 10.94 | 4.73 | 1.49 | 3 | 15.61 | 4.15 | 2.39 |
| | 5 | 10 | 7.01 | 3.42 | 1.08 | 10 | 10.45 | 5.56 | 1.76 | 10 | 8.82 | 4.94 | 1.56 | 3 | 8.76 | 1.72 | 0.99 |
| 90-Minute | 1 | 10 | 27.30 | 9.20 | 2.91 | 10 | 33.97 | 12.12 | 3.83 | 10 | 32.32 | 7.62 | 2.41 | 3 | 31.20 | 3.48 | 2.01 |
| | 2 | 10 | 26.26 | 8.68 | 2.74 | 10 | 24.57 | 9.97 | 3.15 | 10 | 23.93 | 7.57 | 2.39 | 3 | 24.92 | 1.21 | 0.70 |
| | 3 | 10 | 22.10 | 4.40 | 1.39 | 10 | 20.32 | 7.01 | 2.22 | 10 | 20.68 | 8.31 | 2.63 | 3 | 21.03 | 0.94 | 0.54 |
| | 4 | 10 | 13.36 | 3.53 | 1.12 | 10 | 11.32 | 3.58 | 1.13 | 10 | 11.63 | 4.93 | 1.56 | 3 | 12.10 | 1.10 | 0.63 |
| | 5 | 10 | 10.98 | 6.13 | 1.94 | 10 | 9.82 | 4.13 | 1.31 | 10 | 11.44 | 2.49 | 0.79 | 3 | 10.74 | 0.83 | 0.48 |
| 300-Minute | 1 | 10 | 34.74 | 9.90 | 3.13 | 10 | 26.99 | 8.07 | 2.55 | 10 | 32.36 | 9.75 | 3.08 | 3 | 31.36 | 3.97 | 2.29 |
| | 2 | 10 | 30.02 | 7.81 | 2.47 | 10 | 24.93 | 7.72 | 2.44 | 10 | 23.34 | 6.48 | 2.05 | 3 | 26.10 | 3.49 | 2.02 |
| | 3 | 10 | 14.65 | 5.25 | 1.66 | 10 | 21.52 | 5.84 | 1.85 | 10 | 20.00 | 10.26 | 3.24 | 3 | 18.72 | 3.61 | 2.08 |
| | 4 | 10 | 12.13 | 3.89 | 1.23 | 10 | 14.36 | 5.91 | 1.87 | 10 | 12.76 | 4.22 | 1.33 | 3 | 13.08 | 1.15 | 0.66 |
| | 5 | 10 | 8.46 | 3.57 | 1.13 | 10 | 12.20 | 6.92 | 2.19 | 10 | 11.54 | 5.30 | 1.68 | 3 | 10.73 | 2.00 | 1.15 |
| 600-Minute | 1 | 10 | 35.02 | 12.46 | 3.94 | 10 | 25.37 | 8.85 | 2.80 | 10 | 28.04 | 8.79 | 2.78 | 3 | 29.48 | 4.98 | 2.88 |
| | 2 | 10 | 25.28 | 4.35 | 1.38 | 10 | 27.63 | 5.97 | 1.89 | 10 | 27.35 | 8.60 | 2.72 | 3 | 26.75 | 1.28 | 0.74 |
| | 3 | 10 | 19.90 | 5.98 | 1.89 | 10 | 24.83 | 9.88 | 3.13 | 10 | 23.87 | 7.27 | 2.30 | 3 | 22.87 | 2.61 | 1.51 |
| | 4 | 10 | 10.12 | 3.74 | 1.18 | 10 | 12.88 | 4.24 | 1.34 | 10 | 11.95 | 3.24 | 1.02 | 3 | 11.65 | 1.40 | 0.81 |
| | 5 | 10 | 9.68 | 4.25 | 1.34 | 10 | 9.29 | 4.41 | 1.40 | 10 | 8.79 | 3.20 | 1.01 | 3 | 9.25 | 0.44 | 0.25 |

PARAMETER = Percent Power
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | | | Windows 11-20 | | | | | Windows 21-30 | | | | | Grand Mean | | |
|------------|------------|--------------|-------|-------|------|--|---------------|-------|-------|------|--|---------------|-------|-------|------|---|------------|------|------|
| | | N | Mean | Std. | S.E. | | N | Mean | Std. | S.E. | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 23.55 | 11.49 | 3.63 | | 10 | 29.22 | 10.65 | 3.37 | | 10 | 23.21 | 9.09 | 2.87 | 3 | 25.33 | 3.37 | 1.95 |
| | 2 | 10 | 20.91 | 12.03 | 3.80 | | 10 | 18.77 | 5.81 | 1.84 | | 10 | 24.49 | 5.73 | 1.81 | 3 | 21.39 | 2.89 | 1.67 |
| | 3 | 10 | 29.68 | 14.47 | 4.58 | | 10 | 23.12 | 9.48 | 3.00 | | 10 | 30.36 | 8.14 | 2.57 | 3 | 27.72 | 4.00 | 2.31 |
| | 4 | 10 | 15.99 | 7.55 | 2.39 | | 10 | 16.70 | 5.26 | 1.66 | | 10 | 12.64 | 5.42 | 1.72 | 3 | 15.11 | 2.17 | 1.25 |
| | 5 | 10 | 9.86 | 5.83 | 1.85 | | 10 | 12.19 | 6.73 | 2.13 | | 10 | 9.30 | 6.68 | 2.11 | 3 | 10.45 | 1.53 | 0.89 |
| 90-Minute | 1 | 10 | 26.86 | 7.89 | 2.50 | | 10 | 32.21 | 14.39 | 4.55 | | 10 | 28.69 | 8.73 | 2.76 | 3 | 29.25 | 2.72 | 1.57 |
| | 2 | 10 | 20.29 | 6.77 | 2.14 | | 10 | 23.19 | 7.63 | 2.41 | | 10 | 22.36 | 6.17 | 1.95 | 3 | 21.94 | 1.49 | 0.86 |
| | 3 | 10 | 20.12 | 5.57 | 1.76 | | 10 | 19.69 | 5.60 | 1.77 | | 10 | 20.00 | 6.03 | 1.91 | 3 | 19.93 | 0.22 | 0.13 |
| | 4 | 10 | 14.35 | 3.94 | 1.25 | | 10 | 13.29 | 3.52 | 1.11 | | 10 | 15.68 | 6.62 | 2.09 | 3 | 14.44 | 1.20 | 0.69 |
| | 5 | 10 | 18.38 | 8.03 | 2.54 | | 10 | 11.63 | 8.12 | 2.57 | | 10 | 13.27 | 3.24 | 1.02 | 3 | 14.43 | 3.52 | 2.03 |
| 300-Minute | 1 | 10 | 36.27 | 13.91 | 4.40 | | 10 | 28.32 | 7.21 | 2.28 | | 10 | 29.09 | 9.86 | 3.12 | 3 | 31.23 | 4.38 | 2.53 |
| | 2 | 10 | 24.52 | 7.37 | 2.33 | | 10 | 22.29 | 9.21 | 2.91 | | 10 | 21.15 | 8.64 | 2.73 | 3 | 22.65 | 1.71 | 0.99 |
| | 3 | 10 | 16.36 | 6.68 | 2.11 | | 10 | 21.92 | 7.43 | 2.35 | | 10 | 21.90 | 7.97 | 2.52 | 3 | 20.06 | 3.21 | 1.85 |
| | 4 | 10 | 10.87 | 3.80 | 1.20 | | 10 | 13.10 | 5.98 | 1.89 | | 10 | 15.23 | 5.43 | 1.72 | 3 | 13.07 | 2.18 | 1.26 |
| | 5 | 10 | 11.99 | 8.78 | 2.78 | | 10 | 14.37 | 5.79 | 1.83 | | 10 | 12.62 | 5.77 | 1.82 | 3 | 12.99 | 1.24 | 0.71 |
| 600-Minute | 1 | 10 | 37.06 | 9.13 | 2.89 | | 10 | 30.06 | 9.15 | 2.89 | | 10 | 31.68 | 11.40 | 3.61 | 3 | 32.93 | 3.66 | 2.12 |
| | 2 | 10 | 23.98 | 8.61 | 2.72 | | 10 | 25.63 | 5.42 | 1.72 | | 10 | 24.48 | 6.93 | 2.19 | 3 | 24.70 | 0.85 | 0.49 |
| | 3 | 10 | 18.56 | 4.22 | 1.33 | | 10 | 23.90 | 7.38 | 2.33 | | 10 | 21.67 | 6.55 | 2.07 | 3 | 21.38 | 2.68 | 1.55 |
| | 4 | 10 | 10.97 | 4.43 | 1.40 | | 10 | 12.21 | 4.93 | 1.56 | | 10 | 13.39 | 4.25 | 1.34 | 3 | 12.19 | 1.21 | 0.70 |
| | 5 | 10 | 9.44 | 3.60 | 1.14 | | 10 | 8.20 | 2.78 | 0.88 | | 10 | 8.78 | 3.52 | 1.11 | 3 | 8.81 | 0.62 | 0.36 |

PARAMETER = Mean Frequency
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 2.16 | 0.16 | 0.05 | 10 | 2.15 | 0.32 | 0.10 | 10 | 2.04 | 0.28 | 0.09 | 3 | 2.12 | 0.06 | 0.04 |
| | 2 | 10 | 5.59 | 0.38 | 0.12 | 10 | 5.69 | 0.35 | 0.11 | 10 | 5.75 | 0.31 | 0.10 | 3 | 5.68 | 0.08 | 0.05 |
| | 3 | 10 | 10.16 | 0.63 | 0.20 | 10 | 10.39 | 0.34 | 0.11 | 10 | 9.91 | 0.32 | 0.10 | 3 | 10.16 | 0.24 | 0.14 |
| | 4 | 10 | 14.99 | 0.50 | 0.16 | 10 | 15.06 | 0.35 | 0.11 | 10 | 14.96 | 0.34 | 0.11 | 3 | 15.00 | 0.05 | 0.03 |
| | 5 | 10 | 21.01 | 0.30 | 0.10 | 10 | 21.18 | 0.47 | 0.15 | 10 | 21.24 | 0.43 | 0.14 | 3 | 21.14 | 0.12 | 0.07 |
| 90-Minute | 9 | 10 | 8.96 | 1.65 | 0.52 | 10 | 9.96 | 1.85 | 0.59 | 10 | 8.50 | 1.98 | 0.63 | 3 | 9.14 | 0.75 | 0.43 |
| | 1 | 10 | 1.98 | 0.27 | 0.09 | 10 | 2.08 | 0.20 | 0.06 | 10 | 2.01 | 0.21 | 0.07 | 3 | 2.02 | 0.05 | 0.03 |
| | 2 | 10 | 5.48 | 0.20 | 0.06 | 10 | 5.62 | 0.25 | 0.08 | 10 | 5.63 | 0.35 | 0.11 | 3 | 5.57 | 0.09 | 0.05 |
| | 3 | 10 | 10.14 | 0.64 | 0.20 | 10 | 9.83 | 0.43 | 0.14 | 10 | 10.23 | 0.49 | 0.15 | 3 | 10.07 | 0.21 | 0.12 |
| | 4 | 10 | 15.27 | 0.33 | 0.11 | 10 | 14.96 | 0.43 | 0.14 | 10 | 15.33 | 0.45 | 0.14 | 3 | 15.19 | 0.20 | 0.11 |
| 300-Minute | 5 | 10 | 21.33 | 0.55 | 0.17 | 10 | 21.08 | 0.45 | 0.14 | 10 | 20.86 | 0.42 | 0.13 | 3 | 21.09 | 0.23 | 0.13 |
| | 9 | 10 | 9.55 | 2.38 | 0.75 | 10 | 8.75 | 2.20 | 0.69 | 10 | 9.58 | 1.70 | 0.54 | 3 | 9.29 | 0.47 | 0.27 |
| | 1 | 10 | 2.06 | 0.40 | 0.13 | 10 | 2.17 | 0.30 | 0.09 | 10 | 2.15 | 0.43 | 0.14 | 3 | 2.13 | 0.06 | 0.04 |
| | 2 | 10 | 5.56 | 0.47 | 0.15 | 10 | 5.56 | 0.41 | 0.13 | 10 | 5.62 | 0.26 | 0.08 | 3 | 5.58 | 0.04 | 0.02 |
| | 3 | 10 | 9.92 | 0.35 | 0.11 | 10 | 10.06 | 0.42 | 0.13 | 10 | 10.08 | 0.40 | 0.13 | 3 | 10.02 | 0.09 | 0.05 |
| 600-Minute | 4 | 10 | 15.17 | 0.40 | 0.13 | 10 | 14.86 | 0.34 | 0.11 | 10 | 15.04 | 0.26 | 0.08 | 3 | 15.02 | 0.16 | 0.09 |
| | 5 | 10 | 21.15 | 0.56 | 0.18 | 10 | 21.15 | 0.55 | 0.17 | 10 | 21.44 | 0.74 | 0.23 | 3 | 21.24 | 0.17 | 0.10 |
| | 9 | 10 | 8.77 | 1.64 | 0.52 | 10 | 9.48 | 2.34 | 0.74 | 10 | 9.45 | 2.05 | 0.65 | 3 | 9.23 | 0.40 | 0.23 |
| | 1 | 10 | 2.03 | 0.26 | 0.08 | 10 | 2.18 | 0.28 | 0.09 | 10 | 2.13 | 0.32 | 0.10 | 3 | 2.11 | 0.07 | 0.04 |
| | 2 | 10 | 5.39 | 0.38 | 0.12 | 10 | 5.70 | 0.32 | 0.10 | 10 | 5.72 | 0.36 | 0.11 | 3 | 5.61 | 0.18 | 0.11 |
| | 3 | 10 | 10.09 | 0.64 | 0.20 | 10 | 9.93 | 0.56 | 0.18 | 10 | 10.07 | 0.31 | 0.10 | 3 | 10.03 | 0.09 | 0.05 |
| | 4 | 10 | 15.18 | 0.41 | 0.13 | 10 | 15.05 | 0.39 | 0.12 | 10 | 15.26 | 0.49 | 0.16 | 3 | 15.16 | 0.11 | 0.06 |
| | 5 | 10 | 21.23 | 0.40 | 0.13 | 10 | 21.38 | 0.42 | 0.13 | 10 | 21.07 | 0.56 | 0.18 | 3 | 21.22 | 0.16 | 0.09 |
| | 9 | 10 | 7.93 | 2.25 | 0.71 | 10 | 8.77 | 2.19 | 0.69 | 10 | 9.51 | 1.59 | 0.50 | 3 | 8.74 | 0.79 | 0.46 |

PARAMETER = Mean Frequency
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | | Windows 11-20 | | | | Windows 21-30 | | | | Grand Mean | | | |
|------------|------------|--------------|-------|------|------|---------------|-------|------|------|---------------|-------|------|------|------------|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | Mean | Std. | S.E. | |
| Baseline | 1 | 10 | 2.15 | 0.20 | 0.06 | 10 | 2.19 | 0.27 | 0.09 | 10 | 2.15 | 0.37 | 0.12 | 3 | 2.16 | 0.02 | 0.01 |
| | 2 | 10 | 5.63 | 0.25 | 0.08 | 10 | 5.39 | 0.27 | 0.08 | 10 | 5.65 | 0.22 | 0.07 | 3 | 5.56 | 0.14 | 0.08 |
| | 3 | 10 | 10.26 | 0.60 | 0.19 | 10 | 10.21 | 0.39 | 0.12 | 10 | 9.91 | 0.50 | 0.16 | 3 | 10.13 | 0.19 | 0.11 |
| | 4 | 10 | 14.92 | 0.52 | 0.17 | 10 | 14.96 | 0.59 | 0.19 | 10 | 14.92 | 0.53 | 0.17 | 3 | 14.93 | 0.02 | 0.01 |
| | 5 | 10 | 20.95 | 0.59 | 0.19 | 10 | 20.70 | 0.31 | 0.10 | 10 | 20.96 | 0.55 | 0.17 | 3 | 20.87 | 0.15 | 0.09 |
| 90-Minute | 9 | 10 | 9.21 | 1.45 | 0.46 | 10 | 9.03 | 1.34 | 0.42 | 10 | 8.73 | 1.53 | 0.48 | 3 | 8.99 | 0.24 | 0.14 |
| | 1 | 10 | 2.15 | 0.17 | 0.05 | 10 | 2.18 | 0.30 | 0.09 | 10 | 2.28 | 0.23 | 0.07 | 3 | 2.21 | 0.07 | 0.04 |
| | 2 | 10 | 5.64 | 0.32 | 0.10 | 10 | 5.61 | 0.26 | 0.08 | 10 | 5.56 | 0.35 | 0.11 | 3 | 5.61 | 0.04 | 0.02 |
| | 3 | 10 | 10.16 | 0.37 | 0.12 | 10 | 9.78 | 0.52 | 0.16 | 10 | 10.06 | 0.32 | 0.10 | 3 | 10.00 | 0.19 | 0.11 |
| | 4 | 10 | 15.21 | 0.45 | 0.14 | 10 | 14.81 | 0.34 | 0.11 | 10 | 15.09 | 0.34 | 0.11 | 3 | 15.04 | 0.21 | 0.12 |
| 300-Minute | 5 | 10 | 21.06 | 0.36 | 0.11 | 10 | 21.10 | 0.57 | 0.18 | 10 | 20.90 | 0.58 | 0.18 | 3 | 21.02 | 0.11 | 0.06 |
| | 9 | 10 | 9.82 | 1.46 | 0.46 | 10 | 8.35 | 1.89 | 0.60 | 10 | 9.05 | 1.08 | 0.34 | 3 | 9.07 | 0.73 | 0.42 |
| | 1 | 10 | 2.12 | 0.21 | 0.07 | 10 | 2.07 | 0.17 | 0.05 | 10 | 2.26 | 0.26 | 0.08 | 3 | 2.15 | 0.10 | 0.06 |
| | 2 | 10 | 5.52 | 0.43 | 0.14 | 10 | 5.66 | 0.33 | 0.10 | 10 | 5.47 | 0.33 | 0.10 | 3 | 5.55 | 0.10 | 0.06 |
| | 3 | 10 | 10.00 | 0.44 | 0.14 | 10 | 10.32 | 0.36 | 0.11 | 10 | 10.27 | 0.50 | 0.16 | 3 | 10.19 | 0.17 | 0.10 |
| 600-Minute | 4 | 10 | 15.00 | 0.34 | 0.11 | 10 | 15.16 | 0.61 | 0.19 | 10 | 15.03 | 0.51 | 0.16 | 3 | 15.06 | 0.09 | 0.05 |
| | 5 | 10 | 21.02 | 0.49 | 0.15 | 10 | 21.14 | 0.42 | 0.13 | 10 | 21.29 | 0.54 | 0.17 | 3 | 21.15 | 0.14 | 0.08 |
| | 9 | 10 | 7.90 | 1.94 | 0.61 | 10 | 9.12 | 1.73 | 0.55 | 10 | 9.03 | 1.52 | 0.48 | 3 | 8.68 | 0.68 | 0.39 |
| | 1 | 10 | 2.20 | 0.24 | 0.07 | 10 | 2.31 | 0.18 | 0.06 | 10 | 2.18 | 0.20 | 0.06 | 3 | 2.23 | 0.07 | 0.04 |
| | 2 | 10 | 5.62 | 0.28 | 0.09 | 10 | 5.78 | 0.22 | 0.07 | 10 | 5.75 | 0.29 | 0.09 | 3 | 5.71 | 0.08 | 0.05 |
| | 3 | 10 | 9.88 | 0.36 | 0.11 | 10 | 9.86 | 0.35 | 0.11 | 10 | 10.02 | 0.29 | 0.09 | 3 | 9.92 | 0.09 | 0.05 |
| | 4 | 10 | 15.01 | 0.30 | 0.09 | 10 | 14.81 | 0.44 | 0.14 | 10 | 14.77 | 0.19 | 0.06 | 3 | 14.87 | 0.13 | 0.07 |
| | 5 | 10 | 21.28 | 0.32 | 0.10 | 10 | 21.00 | 0.54 | 0.17 | 10 | 21.15 | 0.57 | 0.18 | 3 | 21.14 | 0.14 | 0.08 |
| | 9 | 10 | 7.63 | 0.99 | 0.31 | 10 | 8.06 | 0.72 | 0.23 | 10 | 8.10 | 1.07 | 0.34 | 3 | 7.93 | 0.26 | 0.15 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
 TASK: 89-09
 DESCRIPTIVE STATISTICS FOR ANIMAL 122X DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
 CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. |
|------------|------------|--------------|-------|------|---------------|-------|------|---------------|-------|------|------------|------|------|
| | | N | Mean | Std. | N | Mean | Std. | N | Mean | Std. | Mean | Std. | |
| Baseline | 1 | 9 | 2.19 | 0.83 | 6 | 2.58 | 0.74 | 10 | 2.60 | 0.70 | 2.46 | 0.23 | 0.13 |
| | 2 | 10 | 5.75 | 1.09 | 10 | 5.90 | 1.07 | 9 | 5.83 | 0.87 | 5.83 | 0.08 | 0.04 |
| | 3 | 10 | 10.30 | 1.27 | 10 | 11.00 | 0.97 | 10 | 10.05 | 0.98 | 10.45 | 0.49 | 0.28 |
| | 4 | 10 | 15.50 | 1.39 | 10 | 15.40 | 1.17 | 10 | 14.95 | 1.17 | 15.28 | 0.29 | 0.17 |
| | 5 | 10 | 21.90 | 2.21 | 10 | 22.25 | 1.36 | 10 | 20.95 | 2.07 | 21.70 | 0.67 | 0.39 |
| 90-Minute | 9 | 10 | 7.05 | 4.85 | 10 | 7.55 | 7.33 | 10 | 6.20 | 3.92 | 6.93 | 0.68 | 0.39 |
| | 1 | 9 | 2.28 | 0.62 | 9 | 2.28 | 0.67 | 9 | 1.89 | 0.49 | 2.15 | 0.22 | 0.13 |
| | 2 | 10 | 5.40 | 0.61 | 9 | 5.39 | 0.99 | 9 | 5.94 | 1.04 | 5.58 | 0.32 | 0.18 |
| | 3 | 10 | 10.35 | 1.70 | 10 | 9.90 | 1.17 | 10 | 10.40 | 1.39 | 10.22 | 0.28 | 0.16 |
| | 4 | 10 | 16.05 | 1.34 | 10 | 14.70 | 1.03 | 10 | 15.75 | 1.48 | 15.50 | 0.71 | 0.41 |
| 300-Minute | 5 | 10 | 22.55 | 1.38 | 10 | 22.10 | 1.81 | 10 | 21.90 | 1.45 | 22.18 | 0.33 | 0.19 |
| | 9 | 10 | 6.70 | 6.63 | 10 | 5.45 | 6.87 | 10 | 6.25 | 6.25 | 6.13 | 0.63 | 0.37 |
| | 1 | 5 | 2.40 | 0.82 | 9 | 2.06 | 0.39 | 9 | 2.22 | 0.67 | 2.23 | 0.17 | 0.10 |
| | 2 | 9 | 6.06 | 1.10 | 8 | 6.37 | 0.88 | 10 | 6.35 | 0.82 | 6.26 | 0.18 | 0.10 |
| | 3 | 10 | 9.75 | 1.46 | 10 | 10.05 | 1.19 | 10 | 9.85 | 1.20 | 9.88 | 0.15 | 0.09 |
| 600-Minute | 4 | 10 | 15.50 | 1.27 | 10 | 14.85 | 1.08 | 10 | 15.20 | 1.11 | 15.18 | 0.33 | 0.19 |
| | 5 | 10 | 21.75 | 1.60 | 10 | 21.35 | 1.55 | 10 | 21.00 | 2.26 | 21.37 | 0.38 | 0.22 |
| | 9 | 10 | 6.50 | 6.05 | 10 | 4.55 | 2.40 | 10 | 6.10 | 7.03 | 5.72 | 1.03 | 0.59 |
| | 1 | 9 | 2.33 | 0.50 | 9 | 2.22 | 0.67 | 9 | 2.17 | 0.35 | 2.24 | 0.08 | 0.05 |
| | 2 | 9 | 5.56 | 1.26 | 9 | 5.28 | 0.57 | 9 | 6.28 | 0.67 | 5.70 | 0.52 | 0.30 |
| | 3 | 9 | 10.72 | 0.79 | 10 | 10.05 | 1.07 | 10 | 10.30 | 0.79 | 10.36 | 0.34 | 0.20 |
| | 4 | 10 | 15.55 | 0.83 | 10 | 15.10 | 1.22 | 10 | 15.45 | 0.80 | 15.37 | 0.24 | 0.14 |
| | 5 | 10 | 22.10 | 1.54 | 10 | 21.60 | 1.63 | 10 | 21.45 | 2.11 | 21.72 | 0.34 | 0.20 |
| | 9 | 10 | 3.75 | 1.95 | 10 | 4.45 | 3.09 | 10 | 7.10 | 7.07 | 5.10 | 1.77 | 1.02 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 122X DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | |
| Baseline | 1 | 10 | 2.20 | 0.63 | 0.20 | 7 | 2.07 | 0.45 | 0.17 | 9 | 2.39 | 0.74 | 0.25 | 0.09 |
| | 2 | 10 | 6.00 | 0.75 | 0.24 | 9 | 5.22 | 0.71 | 0.24 | 9 | 5.94 | 1.29 | 0.43 | 0.25 |
| | 3 | 10 | 10.85 | 0.91 | 0.29 | 10 | 10.40 | 0.74 | 0.23 | 10 | 10.10 | 1.52 | 0.48 | 0.22 |
| | 4 | 10 | 14.90 | 1.43 | 0.45 | 10 | 15.20 | 1.21 | 0.38 | 9 | 15.72 | 1.28 | 0.43 | 0.24 |
| | 5 | 10 | 21.30 | 1.97 | 0.62 | 10 | 21.50 | 1.80 | 0.57 | 10 | 21.10 | 2.00 | 0.63 | 0.12 |
| 90-Minute | 9 | 10 | 5.55 | 3.50 | 1.11 | 10 | 6.15 | 6.19 | 1.96 | 10 | 5.90 | 4.20 | 1.33 | 0.17 |
| | 1 | 9 | 2.17 | 0.75 | 0.25 | 10 | 2.40 | 0.74 | 0.23 | 7 | 2.50 | 0.82 | 0.31 | 0.10 |
| | 2 | 9 | 5.72 | 0.67 | 0.22 | 9 | 6.17 | 0.79 | 0.26 | 10 | 5.75 | 0.98 | 0.31 | 0.14 |
| | 3 | 10 | 10.15 | 1.63 | 0.52 | 10 | 10.75 | 1.11 | 0.35 | 10 | 10.80 | 1.30 | 0.41 | 0.21 |
| | 4 | 10 | 16.05 | 1.04 | 0.33 | 10 | 14.75 | 1.50 | 0.47 | 10 | 15.50 | 1.29 | 0.41 | 0.38 |
| 300-Minute | 5 | 10 | 20.95 | 1.62 | 0.51 | 10 | 21.55 | 1.57 | 0.50 | 10 | 20.35 | 1.51 | 0.48 | 0.35 |
| | 9 | 10 | 6.10 | 5.81 | 1.84 | 10 | 6.20 | 6.26 | 1.98 | 10 | 7.45 | 5.81 | 1.84 | 0.43 |
| | 1 | 8 | 2.12 | 0.79 | 0.28 | 8 | 2.44 | 0.56 | 0.20 | 8 | 2.31 | 0.88 | 0.31 | 0.09 |
| | 2 | 7 | 5.86 | 1.28 | 0.48 | 9 | 6.11 | 0.82 | 0.27 | 10 | 5.80 | 1.03 | 0.33 | 0.10 |
| | 3 | 10 | 10.10 | 1.20 | 0.38 | 10 | 9.55 | 1.42 | 0.45 | 10 | 10.85 | 1.38 | 0.43 | 0.38 |
| 600-Minute | 4 | 10 | 15.60 | 1.58 | 0.50 | 10 | 15.00 | 0.71 | 0.22 | 10 | 15.30 | 1.34 | 0.42 | 0.17 |
| | 5 | 10 | 20.80 | 1.53 | 0.48 | 10 | 21.45 | 1.66 | 0.52 | 10 | 20.70 | 1.62 | 0.51 | 0.24 |
| | 9 | 10 | 5.85 | 4.15 | 1.31 | 10 | 5.15 | 3.50 | 1.11 | 10 | 5.60 | 5.65 | 1.79 | 0.20 |
| | 1 | 10 | 2.25 | 0.59 | 0.19 | 9 | 2.33 | 0.61 | 0.20 | 9 | 2.39 | 0.82 | 0.27 | 0.04 |
| | 2 | 10 | 5.70 | 1.03 | 0.33 | 10 | 5.25 | 0.82 | 0.26 | 10 | 6.25 | 0.92 | 0.29 | 0.29 |
| | 3 | 10 | 9.95 | 1.38 | 0.44 | 10 | 10.80 | 1.58 | 0.50 | 10 | 10.50 | 0.91 | 0.29 | 0.25 |
| | 4 | 10 | 14.70 | 1.40 | 0.44 | 10 | 15.35 | 1.11 | 0.35 | 10 | 15.75 | 1.14 | 0.36 | 0.31 |
| | 5 | 10 | 21.20 | 1.74 | 0.55 | 10 | 21.65 | 1.90 | 0.60 | 10 | 20.85 | 1.49 | 0.47 | 0.23 |
| | 9 | 10 | 4.30 | 3.71 | 1.17 | 10 | 4.40 | 2.00 | 0.63 | 10 | 4.45 | 2.44 | 0.77 | 0.04 |
| | | | | | | | | | | | | | | |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 122X DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | | | | |
| Baseline | 1 | 10 | 2.40 | 0.81 | 0.26 | 7 | 2.43 | 0.79 | 0.30 | 8 | 2.12 | 0.69 | 0.25 | 3 | 2.32 | 0.17 | 0.10 |
| | 2 | 10 | 6.30 | 0.89 | 0.28 | 10 | 5.70 | 1.06 | 0.33 | 10 | 5.85 | 0.94 | 0.30 | 3 | 5.95 | 0.31 | 0.18 |
| | 3 | 10 | 11.00 | 1.29 | 0.41 | 10 | 10.70 | 1.14 | 0.36 | 10 | 9.80 | 1.30 | 0.41 | 3 | 10.50 | 0.62 | 0.36 |
| | 4 | 10 | 15.70 | 1.53 | 0.48 | 10 | 14.85 | 1.43 | 0.45 | 10 | 15.55 | 1.40 | 0.44 | 3 | 15.37 | 0.45 | 0.26 |
| | 5 | 10 | 21.30 | 1.60 | 0.51 | 10 | 20.50 | 1.86 | 0.59 | 10 | 21.20 | 2.06 | 0.65 | 3 | 21.00 | 0.44 | 0.25 |
| | 9 | 10 | 6.35 | 4.31 | 1.36 | 10 | 5.10 | 4.13 | 1.31 | 10 | 7.20 | 2.96 | 0.94 | 3 | 6.22 | 1.06 | 0.61 |
| 90-Minute | 1 | 8 | 2.25 | 0.60 | 0.21 | 10 | 2.15 | 0.58 | 0.18 | 9 | 2.22 | 0.71 | 0.24 | 3 | 2.21 | 0.05 | 0.03 |
| | 2 | 10 | 5.50 | 0.82 | 0.26 | 10 | 5.80 | 0.63 | 0.20 | 10 | 5.40 | 0.99 | 0.31 | 3 | 5.57 | 0.21 | 0.12 |
| | 3 | 10 | 10.55 | 1.72 | 0.54 | 10 | 9.60 | 1.20 | 0.38 | 10 | 10.20 | 1.09 | 0.34 | 3 | 10.12 | 0.48 | 0.28 |
| | 4 | 10 | 15.50 | 1.22 | 0.39 | 10 | 15.15 | 1.11 | 0.35 | 10 | 14.90 | 0.66 | 0.21 | 3 | 15.18 | 0.30 | 0.17 |
| | 5 | 10 | 20.25 | 1.18 | 0.37 | 10 | 21.45 | 2.07 | 0.66 | 10 | 21.40 | 1.88 | 0.60 | 3 | 21.03 | 0.68 | 0.39 |
| | 9 | 10 | 4.40 | 3.16 | 1.00 | 10 | 3.95 | 2.65 | 0.84 | 10 | 4.80 | 2.81 | 0.89 | 3 | 4.38 | 0.43 | 0.25 |
| 300-Minute | 1 | 9 | 1.94 | 0.58 | 0.19 | 10 | 2.60 | 0.46 | 0.15 | 10 | 2.30 | 0.63 | 0.20 | 3 | 2.28 | 0.33 | 0.19 |
| | 2 | 10 | 5.55 | 0.90 | 0.28 | 10 | 5.95 | 0.86 | 0.27 | 8 | 5.94 | 0.56 | 0.20 | 3 | 5.81 | 0.23 | 0.13 |
| | 3 | 10 | 10.05 | 0.93 | 0.29 | 10 | 10.45 | 1.28 | 0.40 | 10 | 10.30 | 1.06 | 0.33 | 3 | 10.27 | 0.20 | 0.12 |
| | 4 | 10 | 15.35 | 1.06 | 0.33 | 10 | 14.85 | 0.71 | 0.22 | 9 | 15.61 | 1.32 | 0.44 | 3 | 15.27 | 0.39 | 0.22 |
| | 5 | 10 | 21.40 | 1.39 | 0.44 | 10 | 22.05 | 1.64 | 0.52 | 10 | 22.25 | 1.80 | 0.57 | 3 | 21.90 | 0.44 | 0.26 |
| | 9 | 10 | 3.35 | 2.22 | 0.70 | 10 | 4.25 | 3.47 | 1.10 | 10 | 3.30 | 2.19 | 0.69 | 3 | 3.63 | 0.53 | 0.31 |
| 600-Minute | 1 | 9 | 2.56 | 0.73 | 0.24 | 10 | 2.40 | 0.57 | 0.18 | 9 | 2.11 | 0.42 | 0.14 | 3 | 2.36 | 0.23 | 0.13 |
| | 2 | 9 | 5.50 | 1.06 | 0.35 | 8 | 5.50 | 0.71 | 0.25 | 10 | 5.90 | 1.15 | 0.36 | 3 | 5.63 | 0.23 | 0.13 |
| | 3 | 9 | 9.72 | 1.03 | 0.34 | 10 | 10.05 | 0.93 | 0.29 | 10 | 10.30 | 1.01 | 0.32 | 3 | 10.02 | 0.29 | 0.17 |
| | 4 | 10 | 14.60 | 0.97 | 0.31 | 10 | 14.70 | 1.16 | 0.37 | 10 | 15.25 | 1.38 | 0.44 | 3 | 14.85 | 0.35 | 0.20 |
| | 5 | 10 | 22.10 | 1.82 | 0.58 | 10 | 21.15 | 2.22 | 0.70 | 10 | 21.65 | 2.06 | 0.65 | 3 | 21.63 | 0.48 | 0.27 |
| | 9 | 10 | 3.85 | 2.40 | 0.76 | 10 | 4.40 | 2.95 | 0.93 | 10 | 3.95 | 2.65 | 0.84 | 3 | 4.07 | 0.29 | 0.17 |

PARAMETER = Peak Frequency
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | | Windows 11-20 | | | | Windows 21-30 | | | | Grand Mean | | | |
|------------|------------|--------------|-------|------|------|---------------|-------|------|------|---------------|-------|------|------|------------|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 9 | 2.17 | 0.56 | 0.19 | 9 | 2.11 | 0.74 | 0.25 | 9 | 2.39 | 0.78 | 0.26 | 3 | 2.22 | 0.15 | 0.08 |
| | 2 | 10 | 6.55 | 1.12 | 0.35 | 9 | 6.39 | 0.86 | 0.29 | 10 | 5.50 | 0.94 | 0.30 | 3 | 6.15 | 0.57 | 0.33 |
| | 3 | 10 | 10.95 | 1.30 | 0.41 | 10 | 10.25 | 1.23 | 0.39 | 10 | 9.75 | 1.14 | 0.36 | 3 | 10.32 | 0.60 | 0.35 |
| | 4 | 10 | 15.55 | 1.50 | 0.47 | 10 | 15.00 | 1.65 | 0.52 | 10 | 15.25 | 1.53 | 0.48 | 3 | 15.27 | 0.28 | 0.16 |
| | 5 | 10 | 22.25 | 1.69 | 0.53 | 10 | 20.30 | 1.72 | 0.54 | 10 | 20.65 | 2.07 | 0.65 | 3 | 21.07 | 1.04 | 0.60 |
| 90-Minute | 9 | 10 | 8.35 | 5.35 | 1.69 | 10 | 4.90 | 4.34 | 1.37 | 10 | 7.70 | 2.37 | 0.75 | 3 | 6.98 | 1.83 | 1.06 |
| | 1 | 10 | 2.00 | 0.41 | 0.13 | 10 | 2.25 | 0.68 | 0.21 | 9 | 2.50 | 0.79 | 0.26 | 3 | 2.25 | 0.25 | 0.14 |
| | 2 | 9 | 5.39 | 0.74 | 0.25 | 10 | 5.60 | 0.70 | 0.22 | 9 | 5.94 | 1.21 | 0.40 | 3 | 5.64 | 0.28 | 0.16 |
| | 3 | 10 | 11.25 | 0.92 | 0.29 | 8 | 10.38 | 0.35 | 0.13 | 10 | 10.10 | 1.15 | 0.36 | 3 | 10.58 | 0.60 | 0.35 |
| | 4 | 10 | 15.20 | 1.44 | 0.45 | 10 | 14.60 | 1.02 | 0.32 | 10 | 15.20 | 1.14 | 0.36 | 3 | 15.00 | 0.35 | 0.20 |
| 300-Minute | 5 | 10 | 21.55 | 2.03 | 0.64 | 10 | 21.55 | 1.96 | 0.62 | 10 | 20.50 | 2.05 | 0.65 | 3 | 21.20 | 0.61 | 0.35 |
| | 9 | 10 | 6.10 | 6.31 | 1.99 | 10 | 4.80 | 3.02 | 0.96 | 10 | 3.85 | 2.35 | 0.74 | 3 | 4.92 | 1.13 | 0.65 |
| | 1 | 8 | 2.12 | 0.52 | 0.18 | 10 | 1.95 | 0.55 | 0.17 | 10 | 2.20 | 0.82 | 0.26 | 3 | 2.09 | 0.13 | 0.07 |
| | 2 | 10 | 5.80 | 1.03 | 0.33 | 10 | 5.85 | 0.58 | 0.18 | 9 | 6.11 | 1.08 | 0.36 | 3 | 5.92 | 0.17 | 0.10 |
| | 3 | 10 | 9.95 | 1.01 | 0.32 | 10 | 10.70 | 1.18 | 0.37 | 10 | 10.40 | 1.26 | 0.40 | 3 | 10.35 | 0.38 | 0.22 |
| 600-Minute | 4 | 10 | 14.45 | 0.93 | 0.29 | 10 | 15.40 | 1.20 | 0.38 | 10 | 15.50 | 0.62 | 0.20 | 3 | 15.12 | 0.58 | 0.33 |
| | 5 | 10 | 21.30 | 2.19 | 0.69 | 10 | 20.55 | 2.02 | 0.64 | 10 | 22.35 | 1.55 | 0.49 | 3 | 21.40 | 0.90 | 0.52 |
| | 9 | 10 | 3.35 | 2.36 | 0.75 | 10 | 3.55 | 3.65 | 1.15 | 10 | 3.60 | 3.48 | 1.10 | 3 | 3.50 | 0.13 | 0.08 |
| | 1 | 9 | 2.33 | 0.66 | 0.22 | 10 | 2.60 | 0.52 | 0.16 | 10 | 2.10 | 0.52 | 0.16 | 3 | 2.34 | 0.25 | 0.14 |
| | 2 | 10 | 6.20 | 1.03 | 0.33 | 9 | 5.78 | 1.15 | 0.38 | 10 | 6.00 | 0.91 | 0.29 | 3 | 5.99 | 0.21 | 0.12 |
| | 3 | 10 | 9.85 | 1.03 | 0.33 | 10 | 10.50 | 1.20 | 0.38 | 10 | 10.40 | 1.13 | 0.36 | 3 | 10.25 | 0.35 | 0.20 |
| | 4 | 10 | 14.60 | 1.07 | 0.34 | 10 | 15.55 | 1.23 | 0.39 | 10 | 15.40 | 1.33 | 0.42 | 3 | 15.18 | 0.51 | 0.29 |
| | 5 | 10 | 21.10 | 1.60 | 0.50 | 10 | 21.75 | 2.20 | 0.70 | 10 | 22.15 | 1.45 | 0.46 | 3 | 21.67 | 0.53 | 0.31 |
| | 9 | 10 | 3.25 | 2.15 | 0.68 | 10 | 4.10 | 2.22 | 0.70 | 10 | 3.00 | 1.91 | 0.61 | 3 | 3.45 | 0.58 | 0.33 |

PARAMETER = Total power
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|--------|-------|---------------|----|--------|---------------|-------|----|------------|-------|-------|---|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 66.39 | 37.23 | 11.77 | 10 | 35.75 | 18.04 | 5.70 | 10 | 64.92 | 46.56 | 14.72 | 3 | 55.69 | 17.28 | 9.98 |
| | 2 | 10 | 45.31 | 19.83 | 6.27 | 10 | 35.08 | 28.92 | 9.14 | 10 | 47.28 | 25.51 | 8.07 | 3 | 42.56 | 6.55 | 3.78 |
| | 3 | 10 | 53.73 | 32.65 | 10.32 | 10 | 34.68 | 31.30 | 9.90 | 10 | 49.63 | 18.88 | 5.97 | 3 | 46.02 | 10.03 | 5.79 |
| | 4 | 10 | 33.42 | 23.15 | 7.32 | 10 | 21.45 | 11.35 | 3.59 | 10 | 20.75 | 8.08 | 2.56 | 3 | 25.21 | 7.12 | 4.11 |
| | 5 | 10 | 23.07 | 10.07 | 3.18 | 10 | 22.23 | 11.65 | 3.68 | 10 | 19.30 | 8.15 | 2.58 | 3 | 21.53 | 1.98 | 1.14 |
| | 6 | 10 | 11.05 | 6.35 | 2.01 | 10 | 10.62 | 4.81 | 1.52 | 10 | 7.91 | 3.84 | 1.21 | 3 | 9.86 | 1.71 | 0.98 |
| | 7 | 10 | 23.80 | 14.63 | 4.63 | 10 | 19.54 | 11.69 | 3.70 | 10 | 18.77 | 12.58 | 3.98 | 3 | 20.70 | 2.71 | 1.56 |
| | 8 | 10 | 0.21 | 0.21 | 0.07 | 10 | 0.17 | 0.21 | 0.07 | 10 | 0.14 | 0.35 | 0.11 | 3 | 0.17 | 0.04 | 0.02 |
| | 9 | 10 | 221.91 | 85.81 | 27.14 | 10 | 149.19 | 76.93 | 24.33 | 10 | 201.89 | 83.36 | 26.36 | 3 | 191.00 | 37.56 | 21.69 |
| 90-Minute | 1 | 10 | 46.51 | 27.31 | 8.63 | 10 | 59.91 | 44.88 | 14.19 | 10 | 39.90 | 27.48 | 8.69 | 3 | 48.78 | 10.20 | 5.89 |
| | 2 | 10 | 41.09 | 33.18 | 10.49 | 10 | 59.96 | 76.29 | 24.12 | 10 | 23.40 | 10.35 | 3.27 | 3 | 41.49 | 18.28 | 10.55 |
| | 3 | 10 | 31.69 | 14.54 | 4.60 | 10 | 41.71 | 29.25 | 9.25 | 10 | 27.81 | 7.82 | 2.47 | 3 | 33.74 | 7.17 | 4.14 |
| | 4 | 10 | 25.05 | 16.21 | 5.13 | 10 | 17.25 | 5.66 | 1.79 | 10 | 19.31 | 6.44 | 2.04 | 3 | 20.54 | 4.04 | 2.33 |
| | 5 | 10 | 26.22 | 12.79 | 4.04 | 10 | 21.08 | 10.41 | 3.29 | 10 | 21.41 | 9.98 | 3.15 | 3 | 22.90 | 2.88 | 1.66 |
| | 6 | 10 | 13.64 | 7.56 | 2.39 | 10 | 10.42 | 7.26 | 2.29 | 10 | 11.17 | 2.34 | 0.74 | 3 | 11.74 | 1.68 | 0.97 |
| | 7 | 10 | 39.22 | 25.99 | 8.22 | 10 | 27.38 | 19.30 | 6.10 | 10 | 38.11 | 18.69 | 5.91 | 3 | 34.90 | 6.53 | 3.77 |
| | 8 | 10 | 0.40 | 0.65 | 0.21 | 10 | 0.23 | 0.39 | 0.12 | 10 | 0.66 | 0.66 | 0.21 | 3 | 0.43 | 0.21 | 0.12 |
| | 9 | 10 | 170.57 | 53.03 | 16.77 | 10 | 199.90 | 123.32 | 39.00 | 10 | 131.84 | 42.93 | 13.58 | 3 | 167.44 | 34.14 | 19.71 |
| 300-Minute | 1 | 10 | 56.18 | 40.61 | 12.84 | 10 | 41.47 | 46.56 | 14.72 | 10 | 44.97 | 21.32 | 6.74 | 3 | 47.54 | 7.68 | 4.43 |
| | 2 | 10 | 50.20 | 31.02 | 9.81 | 10 | 27.87 | 11.39 | 3.60 | 10 | 35.32 | 20.78 | 6.57 | 3 | 37.80 | 11.37 | 6.56 |
| | 3 | 10 | 30.14 | 17.01 | 5.38 | 10 | 20.95 | 5.04 | 1.59 | 10 | 31.93 | 16.36 | 5.17 | 3 | 27.67 | 5.89 | 3.40 |
| | 4 | 10 | 21.66 | 8.78 | 2.78 | 10 | 14.93 | 3.33 | 1.05 | 10 | 17.79 | 8.01 | 2.53 | 3 | 18.13 | 3.38 | 1.95 |
| | 5 | 10 | 21.95 | 8.71 | 2.75 | 10 | 19.94 | 9.24 | 2.92 | 10 | 24.03 | 8.29 | 2.62 | 3 | 21.97 | 2.04 | 1.18 |
| | 6 | 10 | 10.72 | 6.71 | 2.12 | 10 | 8.60 | 2.96 | 0.94 | 10 | 12.78 | 5.74 | 1.82 | 3 | 10.70 | 2.09 | 1.21 |
| | 7 | 10 | 26.67 | 21.47 | 6.79 | 10 | 20.45 | 11.61 | 3.67 | 10 | 29.62 | 15.89 | 5.03 | 3 | 25.58 | 4.68 | 2.70 |
| | 8 | 10 | 0.19 | 0.23 | 0.07 | 10 | 0.15 | 0.20 | 0.06 | 10 | 0.21 | 0.27 | 0.09 | 3 | 0.18 | 0.03 | 0.02 |
| | 9 | 10 | 180.12 | 80.90 | 25.58 | 10 | 125.16 | 53.48 | 16.91 | 10 | 154.04 | 48.03 | 15.19 | 3 | 153.11 | 27.49 | 15.87 |
| 600-Minute | 1 | 10 | 72.28 | 59.11 | 18.69 | 10 | 47.22 | 32.14 | 10.16 | 10 | 29.26 | 18.56 | 5.87 | 3 | 49.59 | 21.61 | 12.48 |
| | 2 | 10 | 43.90 | 29.44 | 9.31 | 10 | 48.18 | 45.23 | 14.30 | 10 | 29.19 | 12.26 | 3.88 | 3 | 40.42 | 9.96 | 5.75 |
| | 3 | 10 | 25.75 | 15.46 | 4.89 | 10 | 34.57 | 23.23 | 7.35 | 10 | 29.05 | 8.69 | 2.75 | 3 | 29.79 | 4.46 | 2.57 |
| | 4 | 10 | 12.48 | 3.42 | 1.08 | 10 | 15.68 | 3.99 | 1.26 | 10 | 14.58 | 4.77 | 1.51 | 3 | 14.25 | 1.62 | 0.94 |
| | 5 | 10 | 19.68 | 8.33 | 2.63 | 10 | 15.61 | 5.66 | 1.79 | 10 | 18.10 | 6.67 | 2.11 | 3 | 17.79 | 2.05 | 1.18 |
| | 6 | 10 | 11.40 | 3.81 | 1.20 | 10 | 8.70 | 3.29 | 1.04 | 10 | 11.13 | 5.15 | 1.63 | 3 | 10.41 | 1.49 | 0.86 |
| | 7 | 10 | 22.45 | 14.70 | 4.65 | 10 | 18.67 | 12.58 | 3.98 | 10 | 26.18 | 11.15 | 3.53 | 3 | 22.43 | 3.76 | 2.17 |
| | 8 | 10 | 0.24 | 0.39 | 0.12 | 10 | 0.07 | 0.14 | 0.05 | 10 | 0.09 | 0.09 | 0.03 | 3 | 0.13 | 0.09 | 0.05 |
| | 9 | 10 | 174.09 | 85.33 | 26.98 | 10 | 161.25 | 95.01 | 30.04 | 10 | 120.18 | 18.12 | 5.73 | 3 | 151.84 | 28.16 | 16.26 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 122X DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|--------|-------|---------------|----|--------|---------------|-------|----|------------|-------|-------|---|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 33.64 | 18.42 | 5.83 | 10 | 25.43 | 17.00 | 5.37 | 10 | 37.22 | 22.07 | 6.98 | 3 | 32.10 | 6.05 | 3.49 |
| | 2 | 10 | 28.99 | 15.04 | 4.76 | 10 | 22.05 | 13.73 | 4.34 | 10 | 27.11 | 15.54 | 4.91 | 3 | 26.05 | 3.59 | 2.07 |
| | 3 | 10 | 47.09 | 46.49 | 14.70 | 10 | 27.67 | 30.25 | 9.57 | 10 | 37.74 | 16.18 | 5.12 | 3 | 37.50 | 9.71 | 5.61 |
| | 4 | 10 | 23.31 | 13.91 | 4.40 | 10 | 17.87 | 10.05 | 3.18 | 10 | 13.30 | 4.76 | 1.51 | 3 | 18.16 | 5.01 | 2.89 |
| | 5 | 10 | 14.21 | 6.22 | 1.97 | 10 | 11.86 | 5.68 | 1.80 | 10 | 11.50 | 5.57 | 1.76 | 3 | 12.52 | 1.47 | 0.85 |
| | 6 | 10 | 6.22 | 2.36 | 0.75 | 10 | 5.41 | 1.80 | 0.57 | 10 | 4.47 | 2.36 | 0.75 | 3 | 5.37 | 0.87 | 0.50 |
| | 7 | 10 | 14.60 | 5.54 | 1.75 | 10 | 11.80 | 5.74 | 1.82 | 10 | 8.71 | 4.59 | 1.45 | 3 | 11.70 | 2.95 | 1.70 |
| | 8 | 10 | 0.12 | 0.12 | 0.04 | 10 | 0.12 | 0.14 | 0.04 | 10 | 0.09 | 0.14 | 0.04 | 3 | 0.11 | 0.02 | 0.01 |
| | 9 | 10 | 147.23 | 75.87 | 23.99 | 10 | 104.87 | 51.72 | 16.36 | 10 | 126.86 | 47.92 | 15.16 | 3 | 126.32 | 21.19 | 12.23 |
| 90-Minute | 1 | 10 | 25.69 | 15.68 | 4.96 | 10 | 28.23 | 19.96 | 6.31 | 10 | 27.59 | 8.83 | 2.79 | 3 | 27.17 | 1.32 | 0.76 |
| | 2 | 10 | 32.79 | 44.13 | 13.96 | 10 | 17.74 | 10.50 | 3.32 | 10 | 17.91 | 6.77 | 2.14 | 3 | 22.81 | 8.64 | 4.99 |
| | 3 | 10 | 17.73 | 12.16 | 3.85 | 10 | 16.09 | 8.62 | 2.73 | 10 | 17.86 | 8.07 | 2.55 | 3 | 17.23 | 0.99 | 0.57 |
| | 4 | 10 | 12.79 | 4.89 | 1.55 | 10 | 10.57 | 5.93 | 1.88 | 10 | 19.89 | 6.89 | 2.18 | 3 | 14.41 | 4.87 | 2.81 |
| | 5 | 10 | 13.26 | 5.02 | 1.59 | 10 | 10.51 | 3.81 | 1.20 | 10 | 12.43 | 3.89 | 1.23 | 3 | 12.07 | 1.41 | 0.81 |
| | 6 | 10 | 6.17 | 1.90 | 0.60 | 10 | 6.13 | 2.81 | 0.89 | 10 | 5.92 | 3.47 | 1.10 | 3 | 6.07 | 0.13 | 0.08 |
| | 7 | 10 | 16.40 | 3.55 | 1.12 | 10 | 13.33 | 4.37 | 1.38 | 10 | 20.29 | 6.07 | 1.92 | 3 | 16.67 | 3.49 | 2.01 |
| | 8 | 10 | 0.20 | 0.12 | 0.04 | 10 | 0.14 | 0.13 | 0.04 | 10 | 0.39 | 0.37 | 0.12 | 3 | 0.25 | 0.13 | 0.08 |
| | 9 | 10 | 102.26 | 68.71 | 21.73 | 10 | 83.13 | 32.66 | 10.33 | 10 | 95.68 | 21.14 | 6.68 | 3 | 93.69 | 9.72 | 5.61 |
| 300-Minute | 1 | 10 | 37.05 | 26.99 | 8.53 | 10 | 31.57 | 19.65 | 6.21 | 10 | 30.66 | 24.73 | 7.82 | 3 | 33.10 | 3.46 | 2.00 |
| | 2 | 10 | 25.49 | 17.87 | 5.65 | 10 | 17.94 | 19.74 | 6.24 | 10 | 28.22 | 18.94 | 5.99 | 3 | 23.88 | 5.32 | 3.07 |
| | 3 | 10 | 23.02 | 15.49 | 4.90 | 10 | 18.94 | 11.34 | 3.59 | 10 | 23.56 | 9.36 | 2.96 | 3 | 21.84 | 2.53 | 1.46 |
| | 4 | 10 | 14.61 | 9.27 | 2.93 | 10 | 14.18 | 8.44 | 2.67 | 10 | 13.02 | 6.38 | 2.02 | 3 | 13.94 | 0.82 | 0.47 |
| | 5 | 10 | 11.29 | 4.75 | 1.50 | 10 | 11.10 | 3.68 | 1.17 | 10 | 12.66 | 3.27 | 1.03 | 3 | 11.68 | 0.85 | 0.49 |
| | 6 | 10 | 5.57 | 1.51 | 0.48 | 10 | 3.56 | 0.71 | 0.22 | 10 | 7.21 | 1.80 | 0.57 | 3 | 5.45 | 1.83 | 1.06 |
| | 7 | 10 | 15.47 | 5.45 | 1.72 | 10 | 7.98 | 2.52 | 0.80 | 10 | 16.50 | 5.13 | 1.62 | 3 | 13.32 | 4.65 | 2.69 |
| | 8 | 10 | 0.12 | 0.11 | 0.04 | 10 | 0.09 | 0.08 | 0.02 | 10 | 0.13 | 0.12 | 0.04 | 3 | 0.11 | 0.02 | 0.01 |
| | 9 | 10 | 111.47 | 47.11 | 14.90 | 10 | 93.73 | 46.30 | 14.64 | 10 | 108.13 | 54.06 | 17.10 | 3 | 104.44 | 9.42 | 5.44 |
| 600-Minute | 1 | 10 | 30.18 | 24.39 | 7.71 | 10 | 34.41 | 28.52 | 9.02 | 10 | 24.13 | 24.15 | 7.64 | 3 | 29.57 | 5.17 | 2.98 |
| | 2 | 10 | 24.87 | 11.61 | 3.67 | 10 | 36.35 | 39.71 | 12.56 | 10 | 19.70 | 8.36 | 2.64 | 3 | 26.97 | 8.52 | 4.92 |
| | 3 | 10 | 13.18 | 4.61 | 1.46 | 10 | 16.49 | 9.31 | 2.95 | 10 | 16.30 | 9.89 | 3.13 | 3 | 15.32 | 1.86 | 1.07 |
| | 4 | 10 | 9.59 | 2.77 | 0.88 | 10 | 10.90 | 4.56 | 1.44 | 10 | 11.30 | 5.11 | 1.62 | 3 | 10.60 | 0.89 | 0.51 |
| | 5 | 10 | 10.42 | 6.12 | 1.94 | 10 | 8.90 | 2.11 | 0.67 | 10 | 9.66 | 2.52 | 0.80 | 3 | 9.66 | 0.76 | 0.44 |
| | 6 | 10 | 4.94 | 2.28 | 0.72 | 10 | 4.23 | 1.73 | 0.55 | 10 | 4.66 | 1.80 | 0.57 | 3 | 4.61 | 0.35 | 0.20 |
| | 7 | 10 | 12.97 | 8.47 | 2.68 | 10 | 11.33 | 1.60 | 0.50 | 10 | 11.83 | 3.07 | 0.97 | 3 | 12.04 | 0.84 | 0.49 |
| | 8 | 10 | 0.10 | 0.13 | 0.04 | 10 | 0.08 | 0.11 | 0.04 | 10 | 0.18 | 0.12 | 0.04 | 3 | 0.12 | 0.05 | 0.03 |
| | 9 | 10 | 88.23 | 32.49 | 10.27 | 10 | 107.06 | 77.05 | 24.37 | 10 | 81.08 | 40.88 | 12.93 | 3 | 92.12 | 13.42 | 7.75 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 122X DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|--------|--------|---------------|----|--------|---------------|-------|----|------------|--------|--------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 113.63 | 39.77 | 12.58 | 10 | 102.51 | 27.68 | 8.75 | 10 | 108.52 | 77.53 | 24.52 |
| | 2 | 10 | 102.82 | 60.90 | 19.26 | 10 | 87.39 | 53.74 | 16.99 | 10 | 119.43 | 67.59 | 21.37 |
| | 3 | 10 | 166.42 | 122.13 | 38.62 | 10 | 86.99 | 63.59 | 20.11 | 10 | 150.69 | 81.30 | 25.71 |
| | 4 | 10 | 97.83 | 74.77 | 23.64 | 10 | 71.38 | 51.62 | 16.32 | 10 | 43.31 | 13.32 | 4.21 |
| | 5 | 10 | 30.66 | 8.75 | 2.77 | 10 | 36.96 | 22.61 | 7.15 | 10 | 34.49 | 17.69 | 5.59 |
| | 6 | 10 | 21.15 | 10.05 | 3.18 | 10 | 18.68 | 6.04 | 1.91 | 10 | 14.49 | 7.48 | 2.37 |
| | 7 | 10 | 36.65 | 10.17 | 3.22 | 10 | 40.89 | 14.47 | 4.58 | 10 | 27.74 | 13.32 | 4.21 |
| | 8 | 10 | 0.22 | 0.24 | 0.08 | 10 | 0.24 | 0.24 | 0.08 | 10 | 0.19 | 0.42 | 0.13 |
| | 9 | 10 | 511.36 | 213.81 | 67.61 | 10 | 385.23 | 182.76 | 57.79 | 10 | 456.44 | 211.15 | 66.77 |
| 90-Minute | 1 | 10 | 92.52 | 44.37 | 14.03 | 10 | 125.91 | 52.96 | 16.75 | 10 | 108.04 | 42.14 | 13.33 |
| | 2 | 10 | 90.08 | 44.73 | 14.14 | 10 | 95.38 | 63.28 | 20.01 | 10 | 78.98 | 30.88 | 9.76 |
| | 3 | 10 | 76.95 | 39.67 | 12.54 | 10 | 76.94 | 47.49 | 15.02 | 10 | 66.54 | 25.10 | 7.94 |
| | 4 | 10 | 44.20 | 18.09 | 5.72 | 10 | 39.73 | 10.55 | 3.34 | 10 | 36.53 | 14.28 | 4.52 |
| | 5 | 10 | 33.44 | 12.04 | 3.81 | 10 | 34.66 | 14.92 | 4.72 | 10 | 36.42 | 5.74 | 1.82 |
| | 6 | 10 | 21.31 | 9.72 | 3.07 | 10 | 17.33 | 5.36 | 1.69 | 10 | 20.19 | 8.26 | 2.61 |
| | 7 | 10 | 48.60 | 13.27 | 4.20 | 10 | 35.00 | 11.06 | 3.50 | 10 | 57.01 | 21.79 | 6.89 |
| | 8 | 10 | 0.39 | 0.32 | 0.10 | 10 | 0.35 | 0.33 | 0.10 | 10 | 0.81 | 0.82 | 0.26 |
| | 9 | 10 | 337.18 | 119.09 | 37.66 | 10 | 372.63 | 126.34 | 39.95 | 10 | 326.51 | 52.46 | 16.59 |
| 300-Minute | 1 | 10 | 192.59 | 140.39 | 44.39 | 10 | 84.35 | 70.59 | 22.32 | 10 | 140.03 | 145.85 | 46.12 |
| | 2 | 10 | 153.68 | 90.19 | 28.52 | 10 | 75.62 | 49.56 | 15.67 | 10 | 109.72 | 117.69 | 37.22 |
| | 3 | 10 | 66.92 | 19.39 | 6.13 | 10 | 61.35 | 30.12 | 9.52 | 10 | 83.34 | 67.43 | 21.32 |
| | 4 | 10 | 56.55 | 18.71 | 5.92 | 10 | 37.70 | 14.34 | 4.54 | 10 | 46.19 | 21.30 | 6.74 |
| | 5 | 10 | 37.27 | 10.06 | 3.18 | 10 | 31.50 | 17.27 | 5.46 | 10 | 35.88 | 6.59 | 2.08 |
| | 6 | 10 | 18.76 | 6.78 | 2.14 | 10 | 20.48 | 8.07 | 2.55 | 10 | 20.42 | 8.79 | 2.78 |
| | 7 | 10 | 47.85 | 18.74 | 5.93 | 10 | 35.61 | 14.24 | 4.50 | 10 | 47.25 | 22.89 | 7.24 |
| | 8 | 10 | 0.34 | 0.19 | 0.06 | 10 | 0.13 | 0.15 | 0.05 | 10 | 0.29 | 0.28 | 0.09 |
| | 9 | 10 | 507.01 | 239.84 | 75.84 | 10 | 290.51 | 139.23 | 44.03 | 10 | 415.15 | 322.05 | 101.84 |
| 600-Minute | 1 | 10 | 134.88 | 91.73 | 29.01 | 10 | 82.14 | 24.90 | 7.87 | 10 | 101.16 | 35.35 | 11.18 |
| | 2 | 10 | 92.44 | 46.03 | 14.56 | 10 | 97.42 | 40.32 | 12.75 | 10 | 101.32 | 44.15 | 13.96 |
| | 3 | 10 | 69.17 | 26.31 | 8.32 | 10 | 87.97 | 50.45 | 15.95 | 10 | 86.31 | 30.05 | 9.50 |
| | 4 | 10 | 33.48 | 12.78 | 4.04 | 10 | 43.69 | 19.16 | 6.06 | 10 | 42.53 | 12.04 | 3.81 |
| | 5 | 10 | 30.11 | 9.87 | 3.12 | 10 | 30.12 | 9.44 | 2.98 | 10 | 30.81 | 11.32 | 3.58 |
| | 6 | 10 | 19.12 | 9.77 | 3.09 | 10 | 19.76 | 8.26 | 2.61 | 10 | 22.14 | 10.69 | 3.38 |
| | 7 | 10 | 41.09 | 21.36 | 6.75 | 10 | 35.75 | 14.33 | 4.53 | 10 | 47.27 | 15.41 | 4.87 |
| | 8 | 10 | 0.26 | 0.28 | 0.09 | 10 | 0.21 | 0.24 | 0.08 | 10 | 0.35 | 0.29 | 0.09 |
| | 9 | 10 | 360.09 | 145.28 | 45.94 | 10 | 341.34 | 86.97 | 27.50 | 10 | 362.13 | 78.63 | 24.86 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 122X DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | | | | |
|------------|------------|--------------|--------|--------|---------------|----|--------|---------------|-------|----|------------|--------|-------|---|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | | | | |
| Baseline | 1 | 10 | 79.67 | 18.08 | 5.72 | 10 | 82.20 | 34.85 | 11.02 | 10 | 84.86 | 55.44 | 17.53 | 3 | 82.24 | 2.60 | 1.50 |
| | 2 | 10 | 75.31 | 36.99 | 11.70 | 10 | 58.66 | 40.03 | 12.66 | 10 | 86.29 | 50.83 | 16.07 | 3 | 73.42 | 13.91 | 8.03 |
| | 3 | 10 | 130.89 | 96.77 | 30.60 | 10 | 73.65 | 52.50 | 16.60 | 10 | 108.87 | 61.73 | 19.52 | 3 | 104.47 | 28.87 | 16.67 |
| | 4 | 10 | 66.79 | 47.80 | 15.11 | 10 | 52.76 | 38.93 | 12.31 | 10 | 38.86 | 14.37 | 4.54 | 3 | 52.80 | 13.97 | 8.06 |
| | 5 | 10 | 33.77 | 13.33 | 4.22 | 10 | 30.44 | 10.26 | 3.24 | 10 | 25.06 | 11.21 | 3.54 | 3 | 29.75 | 4.40 | 2.54 |
| | 6 | 10 | 19.43 | 9.86 | 3.12 | 10 | 14.19 | 5.72 | 1.81 | 10 | 12.61 | 6.24 | 1.97 | 3 | 15.41 | 3.57 | 2.06 |
| | 7 | 10 | 47.39 | 17.07 | 5.40 | 10 | 36.61 | 14.07 | 4.45 | 10 | 27.35 | 17.39 | 5.50 | 3 | 37.12 | 10.03 | 5.79 |
| | 8 | 10 | 0.51 | 0.34 | 0.11 | 10 | 0.45 | 0.30 | 0.09 | 10 | 0.28 | 0.54 | 0.17 | 3 | 0.41 | 0.12 | 0.07 |
| | 9 | 10 | 386.43 | 129.03 | 40.80 | 10 | 297.71 | 139.32 | 44.06 | 10 | 343.93 | 151.20 | 47.81 | 3 | 342.69 | 44.37 | 25.62 |
| 90-Minute | 1 | 10 | 73.50 | 38.25 | 12.09 | 10 | 89.71 | 49.62 | 15.69 | 10 | 71.08 | 45.24 | 14.31 | 3 | 78.10 | 10.13 | 5.85 |
| | 2 | 10 | 52.30 | 19.14 | 6.05 | 10 | 65.50 | 39.92 | 12.62 | 10 | 51.22 | 16.12 | 5.10 | 3 | 56.34 | 7.95 | 4.59 |
| | 3 | 10 | 54.08 | 23.20 | 7.34 | 10 | 52.83 | 21.16 | 6.69 | 10 | 46.80 | 19.57 | 6.19 | 3 | 51.24 | 3.89 | 2.25 |
| | 4 | 10 | 36.76 | 11.88 | 3.76 | 10 | 34.34 | 9.33 | 2.95 | 10 | 36.12 | 16.49 | 5.22 | 3 | 35.74 | 1.25 | 0.72 |
| | 5 | 10 | 44.01 | 10.45 | 3.30 | 10 | 28.02 | 13.59 | 4.30 | 10 | 30.32 | 8.63 | 2.73 | 3 | 34.12 | 8.64 | 4.99 |
| | 6 | 10 | 23.71 | 8.08 | 2.55 | 10 | 15.69 | 5.96 | 1.88 | 10 | 15.90 | 2.96 | 0.94 | 3 | 18.43 | 4.57 | 2.64 |
| | 7 | 10 | 69.43 | 37.17 | 11.75 | 10 | 41.86 | 21.22 | 6.71 | 10 | 58.75 | 13.29 | 4.20 | 3 | 56.68 | 13.90 | 8.02 |
| | 8 | 10 | 0.67 | 0.31 | 0.10 | 10 | 0.54 | 0.61 | 0.19 | 10 | 0.64 | 0.47 | 0.15 | 3 | 0.61 | 0.07 | 0.04 |
| | 9 | 10 | 260.65 | 68.79 | 21.75 | 10 | 270.40 | 85.72 | 27.11 | 10 | 235.54 | 69.04 | 21.83 | 3 | 255.53 | 17.98 | 10.38 |
| 300-Minute | 1 | 10 | 151.83 | 163.03 | 51.56 | 10 | 61.69 | 45.83 | 14.49 | 10 | 94.78 | 93.74 | 29.64 | 3 | 102.77 | 45.60 | 26.33 |
| | 2 | 10 | 88.68 | 44.49 | 14.07 | 10 | 53.28 | 56.65 | 17.92 | 10 | 84.82 | 115.33 | 36.47 | 3 | 75.59 | 19.42 | 11.21 |
| | 3 | 10 | 54.45 | 22.61 | 7.15 | 10 | 44.80 | 23.46 | 7.42 | 10 | 67.35 | 49.12 | 15.53 | 3 | 55.53 | 11.31 | 6.53 |
| | 4 | 10 | 35.85 | 10.58 | 3.35 | 10 | 24.14 | 12.32 | 3.90 | 10 | 38.77 | 13.12 | 4.15 | 3 | 32.92 | 7.74 | 4.47 |
| | 5 | 10 | 35.51 | 17.75 | 5.61 | 10 | 26.06 | 6.90 | 2.18 | 10 | 29.84 | 6.72 | 2.12 | 3 | 30.47 | 4.76 | 2.75 |
| | 6 | 10 | 14.95 | 5.96 | 1.88 | 10 | 13.84 | 2.61 | 0.83 | 10 | 15.62 | 5.44 | 1.72 | 3 | 14.81 | 0.90 | 0.52 |
| | 7 | 10 | 44.99 | 21.31 | 6.74 | 10 | 34.25 | 10.99 | 3.48 | 10 | 45.19 | 15.42 | 4.88 | 3 | 41.48 | 6.26 | 3.61 |
| | 8 | 10 | 0.60 | 0.41 | 0.13 | 10 | 0.23 | 0.24 | 0.08 | 10 | 0.57 | 0.44 | 0.14 | 3 | 0.47 | 0.20 | 0.12 |
| | 9 | 10 | 366.32 | 206.37 | 65.26 | 10 | 209.97 | 116.03 | 36.69 | 10 | 315.57 | 248.69 | 78.64 | 3 | 297.28 | 79.76 | 46.05 |
| 600-Minute | 1 | 10 | 100.96 | 42.52 | 13.45 | 10 | 75.21 | 26.87 | 8.50 | 10 | 78.38 | 32.08 | 10.14 | 3 | 84.85 | 14.04 | 8.11 |
| | 2 | 10 | 64.98 | 33.36 | 10.55 | 10 | 73.53 | 58.17 | 18.40 | 10 | 62.26 | 29.37 | 9.29 | 3 | 66.92 | 5.88 | 3.40 |
| | 3 | 10 | 48.96 | 12.94 | 4.09 | 10 | 69.08 | 57.37 | 18.14 | 10 | 50.82 | 12.14 | 3.84 | 3 | 56.29 | 11.12 | 6.42 |
| | 4 | 10 | 27.83 | 10.22 | 3.23 | 10 | 30.13 | 11.45 | 3.62 | 10 | 33.04 | 13.64 | 4.31 | 3 | 30.33 | 2.61 | 1.51 |
| | 5 | 10 | 25.20 | 13.44 | 4.25 | 10 | 19.73 | 4.98 | 1.58 | 10 | 20.54 | 7.36 | 2.33 | 3 | 21.82 | 2.95 | 1.71 |
| | 6 | 10 | 16.35 | 8.76 | 2.77 | 10 | 16.56 | 4.96 | 1.57 | 10 | 15.92 | 5.11 | 1.61 | 3 | 16.28 | 0.33 | 0.19 |
| | 7 | 10 | 44.04 | 18.44 | 5.83 | 10 | 38.68 | 10.05 | 3.18 | 10 | 43.29 | 9.38 | 2.97 | 3 | 42.00 | 2.90 | 1.67 |
| | 8 | 10 | 0.66 | 0.51 | 0.16 | 10 | 0.55 | 0.29 | 0.09 | 10 | 0.45 | 0.26 | 0.08 | 3 | 0.55 | 0.10 | 0.06 |
| | 9 | 10 | 267.92 | 65.50 | 20.71 | 10 | 267.68 | 136.18 | 43.07 | 10 | 245.03 | 62.74 | 19.84 | 3 | 260.21 | 13.15 | 7.59 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 122X DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | |
| Baseline | 1 | 10 | 21.59 | 8.62 | 2.73 | 10 | 33.58 | 12.05 | 3.81 | 10 | 30.95 | 11.34 | 3.59 | 3.64 |
| | 2 | 10 | 22.42 | 14.01 | 4.43 | 10 | 25.63 | 8.29 | 2.62 | 10 | 23.87 | 12.60 | 3.99 | 0.93 |
| | 3 | 10 | 20.03 | 6.39 | 2.02 | 10 | 21.66 | 11.33 | 3.58 | 10 | 23.12 | 11.08 | 3.50 | 0.89 |
| | 4 | 10 | 12.89 | 6.09 | 1.93 | 10 | 9.81 | 6.22 | 1.97 | 10 | 10.62 | 4.11 | 1.30 | 0.92 |
| | 5 | 10 | 23.07 | 13.77 | 4.36 | 10 | 9.32 | 4.26 | 1.35 | 10 | 11.44 | 5.38 | 1.70 | 4.27 |
| 90-Minute | 1 | 10 | 37.91 | 11.67 | 3.69 | 10 | 38.45 | 11.80 | 3.73 | 10 | 36.61 | 14.51 | 4.59 | 0.55 |
| | 2 | 10 | 17.42 | 6.03 | 1.91 | 10 | 25.07 | 9.84 | 3.11 | 10 | 33.82 | 8.83 | 2.79 | 4.74 |
| | 3 | 10 | 22.04 | 7.07 | 2.23 | 10 | 17.00 | 5.62 | 1.78 | 10 | 15.52 | 5.91 | 1.87 | 1.97 |
| | 4 | 10 | 9.84 | 4.39 | 1.39 | 10 | 7.85 | 1.83 | 0.58 | 10 | 7.50 | 3.95 | 1.25 | 0.73 |
| | 5 | 10 | 12.79 | 7.74 | 2.45 | 10 | 11.63 | 5.45 | 1.72 | 10 | 6.54 | 2.21 | 0.70 | 1.92 |
| 300-Minute | 1 | 10 | 33.65 | 16.83 | 5.32 | 10 | 34.69 | 12.84 | 4.06 | 10 | 41.51 | 10.38 | 3.28 | 2.46 |
| | 2 | 10 | 19.52 | 7.71 | 2.44 | 10 | 21.21 | 9.48 | 3.00 | 10 | 24.29 | 7.01 | 2.22 | 1.40 |
| | 3 | 10 | 19.52 | 8.04 | 2.54 | 10 | 19.02 | 5.30 | 1.68 | 10 | 15.63 | 3.76 | 1.19 | 1.22 |
| | 4 | 10 | 10.57 | 5.24 | 1.66 | 10 | 11.94 | 4.26 | 1.35 | 10 | 10.04 | 3.31 | 1.05 | 0.57 |
| | 5 | 10 | 16.74 | 7.63 | 2.41 | 10 | 13.14 | 6.51 | 2.06 | 10 | 8.53 | 3.35 | 1.06 | 2.38 |
| 600-Minute | 1 | 10 | 38.59 | 10.46 | 3.31 | 10 | 39.99 | 11.48 | 3.63 | 10 | 44.72 | 10.17 | 3.22 | 1.86 |
| | 2 | 10 | 20.59 | 5.76 | 1.82 | 10 | 26.58 | 9.78 | 3.09 | 10 | 26.22 | 9.94 | 3.14 | 1.94 |
| | 3 | 10 | 17.20 | 4.38 | 1.39 | 10 | 16.28 | 8.53 | 2.70 | 10 | 13.97 | 4.57 | 1.44 | 0.96 |
| | 4 | 10 | 10.62 | 4.48 | 1.42 | 10 | 8.68 | 3.27 | 1.03 | 10 | 6.86 | 3.67 | 1.16 | 1.08 |
| | 5 | 10 | 13.00 | 4.40 | 1.39 | 10 | 8.48 | 4.13 | 1.31 | 10 | 8.22 | 5.89 | 1.86 | 1.55 |

PARAMETER = Percent Power
CHANNEL = 2

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 122X DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|-------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | | |
| Baseline | 1 | 10 | 31.19 | 13.84 | 4.38 | 10 | 26.96 | 9.39 | 2.97 | 10 | 26.03 | 11.13 | 3.52 | 2.75 | 1.59 |
| | 2 | 10 | 22.16 | 14.50 | 4.58 | 10 | 30.78 | 14.14 | 4.47 | 10 | 24.95 | 10.92 | 3.45 | 4.39 | 2.54 |
| | 3 | 10 | 18.46 | 6.39 | 2.02 | 10 | 23.02 | 10.84 | 3.43 | 10 | 26.98 | 10.30 | 3.26 | 22.82 | 2.46 |
| | 4 | 10 | 13.11 | 6.11 | 1.93 | 10 | 10.40 | 6.21 | 1.96 | 10 | 12.21 | 5.53 | 1.75 | 11.91 | 0.80 |
| | 5 | 10 | 15.08 | 11.23 | 3.55 | 10 | 8.85 | 4.77 | 1.51 | 10 | 9.82 | 5.02 | 1.59 | 11.25 | 1.94 |
| 90-Minute | 1 | 10 | 36.13 | 11.32 | 3.58 | 10 | 35.91 | 12.47 | 3.94 | 10 | 35.06 | 13.12 | 4.15 | 35.70 | 0.33 |
| | 2 | 10 | 20.69 | 5.55 | 1.76 | 10 | 25.70 | 5.52 | 1.74 | 10 | 34.87 | 6.26 | 1.98 | 27.09 | 4.15 |
| | 3 | 10 | 23.13 | 7.71 | 2.44 | 10 | 18.30 | 8.99 | 2.84 | 10 | 14.91 | 7.92 | 2.50 | 18.78 | 2.39 |
| | 4 | 10 | 10.99 | 4.69 | 1.48 | 10 | 11.01 | 4.08 | 1.29 | 10 | 8.14 | 2.79 | 0.88 | 10.05 | 0.95 |
| | 5 | 10 | 9.06 | 4.35 | 1.38 | 10 | 9.07 | 2.50 | 0.79 | 10 | 7.03 | 3.41 | 1.08 | 8.39 | 0.68 |
| 300-Minute | 1 | 10 | 29.06 | 8.35 | 2.64 | 10 | 27.80 | 11.47 | 3.63 | 10 | 28.82 | 8.16 | 2.58 | 28.56 | 0.39 |
| | 2 | 10 | 24.17 | 5.01 | 1.58 | 10 | 25.00 | 6.53 | 2.07 | 10 | 26.79 | 11.63 | 3.68 | 25.32 | 0.77 |
| | 3 | 10 | 21.76 | 9.12 | 2.88 | 10 | 23.00 | 6.69 | 2.12 | 10 | 19.15 | 5.57 | 1.76 | 21.30 | 1.13 |
| | 4 | 10 | 12.23 | 3.12 | 0.99 | 10 | 12.14 | 3.89 | 1.23 | 10 | 13.28 | 4.73 | 1.50 | 12.55 | 0.37 |
| | 5 | 10 | 12.78 | 5.68 | 1.79 | 10 | 12.07 | 5.60 | 1.77 | 10 | 11.96 | 5.31 | 1.68 | 12.27 | 0.26 |
| 600-Minute | 1 | 10 | 32.11 | 10.12 | 3.20 | 10 | 38.74 | 9.50 | 3.00 | 10 | 33.88 | 10.07 | 3.19 | 34.91 | 1.98 |
| | 2 | 10 | 24.28 | 6.34 | 2.00 | 10 | 22.48 | 8.03 | 2.54 | 10 | 31.75 | 10.00 | 3.16 | 26.17 | 2.84 |
| | 3 | 10 | 23.27 | 7.86 | 2.48 | 10 | 19.31 | 7.52 | 2.38 | 10 | 19.18 | 6.50 | 2.06 | 20.59 | 1.34 |
| | 4 | 10 | 10.66 | 4.51 | 1.43 | 10 | 9.98 | 3.81 | 1.21 | 10 | 7.53 | 3.69 | 1.17 | 9.39 | 0.95 |
| | 5 | 10 | 9.67 | 2.56 | 0.81 | 10 | 9.49 | 4.37 | 1.38 | 10 | 7.66 | 2.96 | 0.93 | 8.94 | 0.64 |

PARAMETER = Percent Power
CHANNEL = 4

PARAMETER = Mean Frequency
CHANNEL = 2

PARAMETER = Mean Frequency
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 2.11 | 0.32 | 0.10 | 10 | 2.27 | 0.20 | 0.06 | 10 | 2.18 | 0.17 | 0.05 | 3 | 2.19 | 0.08 | 0.04 |
| | 2 | 10 | 5.73 | 0.42 | 0.13 | 10 | 5.78 | 0.33 | 0.10 | 10 | 5.80 | 0.50 | 0.16 | 3 | 5.77 | 0.04 | 0.02 |
| | 3 | 10 | 9.95 | 0.56 | 0.18 | 10 | 10.10 | 0.46 | 0.14 | 10 | 10.04 | 0.43 | 0.14 | 3 | 10.03 | 0.08 | 0.04 |
| | 4 | 10 | 15.18 | 0.61 | 0.19 | 10 | 15.00 | 0.31 | 0.10 | 10 | 15.02 | 0.40 | 0.13 | 3 | 15.07 | 0.10 | 0.06 |
| | 5 | 10 | 21.14 | 0.46 | 0.15 | 10 | 21.11 | 0.65 | 0.21 | 10 | 20.93 | 0.68 | 0.22 | 3 | 21.06 | 0.12 | 0.07 |
| 90-Minute | 9 | 10 | 8.91 | 2.21 | 0.70 | 10 | 8.15 | 1.51 | 0.48 | 10 | 8.59 | 1.29 | 0.41 | 3 | 8.55 | 0.38 | 0.22 |
| | 1 | 10 | 1.94 | 0.25 | 0.08 | 10 | 2.21 | 0.33 | 0.10 | 10 | 2.17 | 0.15 | 0.05 | 3 | 2.11 | 0.15 | 0.09 |
| | 2 | 10 | 5.50 | 0.40 | 0.13 | 10 | 5.75 | 0.45 | 0.14 | 10 | 5.57 | 0.43 | 0.13 | 3 | 5.61 | 0.13 | 0.07 |
| | 3 | 10 | 10.04 | 0.50 | 0.16 | 10 | 9.88 | 0.35 | 0.11 | 10 | 9.95 | 0.32 | 0.10 | 3 | 9.96 | 0.08 | 0.04 |
| | 4 | 10 | 15.22 | 0.37 | 0.12 | 10 | 15.21 | 0.37 | 0.12 | 10 | 15.09 | 0.54 | 0.17 | 3 | 15.17 | 0.07 | 0.04 |
| 300-Minute | 5 | 10 | 21.15 | 0.44 | 0.14 | 10 | 21.03 | 0.43 | 0.14 | 10 | 21.31 | 0.53 | 0.17 | 3 | 21.16 | 0.14 | 0.08 |
| | 9 | 10 | 7.73 | 1.38 | 0.44 | 10 | 7.64 | 1.30 | 0.41 | 10 | 6.90 | 1.31 | 0.42 | 3 | 7.42 | 0.45 | 0.26 |
| | 1 | 10 | 2.30 | 0.20 | 0.06 | 10 | 2.17 | 0.38 | 0.12 | 10 | 2.15 | 0.22 | 0.07 | 3 | 2.21 | 0.08 | 0.05 |
| | 2 | 10 | 5.54 | 0.48 | 0.15 | 10 | 5.40 | 0.36 | 0.11 | 10 | 5.58 | 0.29 | 0.09 | 3 | 5.50 | 0.10 | 0.06 |
| | 3 | 10 | 10.09 | 0.26 | 0.08 | 10 | 10.10 | 0.47 | 0.15 | 10 | 10.13 | 0.36 | 0.11 | 3 | 10.10 | 0.02 | 0.01 |
| 600-Minute | 4 | 10 | 14.97 | 0.35 | 0.11 | 10 | 15.02 | 0.37 | 0.12 | 10 | 15.00 | 0.28 | 0.09 | 3 | 15.00 | 0.03 | 0.02 |
| | 5 | 10 | 21.18 | 0.60 | 0.19 | 10 | 21.30 | 0.64 | 0.20 | 10 | 21.10 | 0.51 | 0.16 | 3 | 21.19 | 0.10 | 0.06 |
| | 9 | 10 | 8.75 | 0.78 | 0.25 | 10 | 8.69 | 1.57 | 0.50 | 10 | 8.55 | 1.25 | 0.39 | 3 | 8.66 | 0.10 | 0.06 |
| | 1 | 10 | 2.18 | 0.33 | 0.10 | 10 | 2.11 | 0.29 | 0.09 | 10 | 2.12 | 0.22 | 0.07 | 3 | 2.13 | 0.04 | 0.02 |
| | 2 | 10 | 5.59 | 0.32 | 0.10 | 10 | 5.70 | 0.23 | 0.07 | 10 | 5.54 | 0.30 | 0.10 | 3 | 5.61 | 0.09 | 0.05 |
| | 3 | 10 | 9.93 | 0.37 | 0.12 | 10 | 9.71 | 0.45 | 0.14 | 10 | 10.01 | 0.36 | 0.11 | 3 | 9.88 | 0.15 | 0.09 |
| | 4 | 10 | 14.91 | 0.33 | 0.10 | 10 | 14.96 | 0.26 | 0.08 | 10 | 14.99 | 0.22 | 0.07 | 3 | 14.95 | 0.04 | 0.02 |
| | 5 | 10 | 21.25 | 0.33 | 0.10 | 10 | 21.20 | 0.65 | 0.20 | 10 | 21.42 | 0.39 | 0.12 | 3 | 21.29 | 0.11 | 0.07 |
| | 9 | 10 | 8.01 | 1.06 | 0.33 | 10 | 7.46 | 0.86 | 0.27 | 10 | 7.15 | 0.69 | 0.22 | 3 | 7.54 | 0.43 | 0.25 |

PARAMETER = Mean Frequency
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 2.22 | 0.16 | 0.05 | 10 | 2.31 | 0.33 | 0.10 | 10 | 2.12 | 0.19 | 0.06 | 3 | 2.22 | 0.10 | 0.06 |
| | 2 | 10 | 5.66 | 0.38 | 0.12 | 10 | 5.78 | 0.34 | 0.11 | 10 | 5.73 | 0.48 | 0.15 | 3 | 5.72 | 0.06 | 0.04 |
| | 3 | 10 | 10.00 | 0.55 | 0.17 | 10 | 9.89 | 0.34 | 0.11 | 10 | 10.09 | 0.47 | 0.15 | 3 | 10.00 | 0.10 | 0.06 |
| | 4 | 10 | 14.97 | 0.38 | 0.12 | 10 | 14.94 | 0.51 | 0.16 | 10 | 15.21 | 0.40 | 0.13 | 3 | 15.04 | 0.14 | 0.08 |
| | 5 | 10 | 20.92 | 0.49 | 0.16 | 10 | 21.16 | 0.67 | 0.21 | 10 | 20.96 | 0.57 | 0.18 | 3 | 21.01 | 0.13 | 0.07 |
| 90-Minute | 9 | 10 | 8.96 | 1.43 | 0.45 | 10 | 8.06 | 1.59 | 0.50 | 10 | 8.98 | 1.44 | 0.46 | 3 | 8.67 | 0.52 | 0.30 |
| | 1 | 10 | 1.92 | 0.23 | 0.07 | 10 | 1.96 | 0.35 | 0.11 | 10 | 2.09 | 0.18 | 0.06 | 3 | 1.99 | 0.09 | 0.05 |
| | 2 | 10 | 5.53 | 0.40 | 0.13 | 10 | 5.72 | 0.44 | 0.14 | 10 | 5.62 | 0.33 | 0.10 | 3 | 5.63 | 0.09 | 0.05 |
| | 3 | 10 | 10.15 | 0.66 | 0.21 | 10 | 9.77 | 0.38 | 0.12 | 10 | 10.02 | 0.44 | 0.14 | 3 | 9.98 | 0.19 | 0.11 |
| | 4 | 10 | 15.13 | 0.33 | 0.10 | 10 | 15.00 | 0.31 | 0.10 | 10 | 14.87 | 0.35 | 0.11 | 3 | 15.00 | 0.13 | 0.07 |
| 300-Minute | 5 | 10 | 21.08 | 0.63 | 0.20 | 10 | 21.08 | 0.42 | 0.13 | 10 | 21.19 | 0.43 | 0.13 | 3 | 21.12 | 0.07 | 0.04 |
| | 9 | 10 | 7.41 | 1.32 | 0.42 | 10 | 7.46 | 1.61 | 0.51 | 10 | 6.13 | 1.09 | 0.35 | 3 | 7.00 | 0.75 | 0.43 |
| | 1 | 10 | 2.26 | 0.32 | 0.10 | 10 | 2.12 | 0.28 | 0.09 | 10 | 2.22 | 0.33 | 0.10 | 3 | 2.20 | 0.07 | 0.04 |
| | 2 | 10 | 5.64 | 0.37 | 0.12 | 10 | 5.40 | 0.38 | 0.12 | 10 | 5.47 | 0.35 | 0.11 | 3 | 5.50 | 0.12 | 0.07 |
| | 3 | 10 | 9.76 | 0.50 | 0.16 | 10 | 10.05 | 0.44 | 0.14 | 10 | 10.21 | 0.28 | 0.09 | 3 | 10.01 | 0.23 | 0.13 |
| 600-Minute | 4 | 10 | 14.97 | 0.35 | 0.11 | 10 | 14.87 | 0.28 | 0.09 | 10 | 15.16 | 0.40 | 0.13 | 3 | 15.00 | 0.15 | 0.09 |
| | 5 | 10 | 21.12 | 0.59 | 0.19 | 10 | 21.47 | 0.56 | 0.18 | 10 | 21.17 | 0.50 | 0.16 | 3 | 21.25 | 0.19 | 0.11 |
| | 9 | 10 | 8.15 | 1.03 | 0.33 | 10 | 7.97 | 1.12 | 0.36 | 10 | 8.38 | 1.37 | 0.43 | 3 | 8.17 | 0.20 | 0.12 |
| | 1 | 10 | 2.25 | 0.13 | 0.04 | 10 | 2.05 | 0.30 | 0.09 | 10 | 2.18 | 0.28 | 0.09 | 3 | 2.16 | 0.10 | 0.06 |
| | 2 | 10 | 5.54 | 0.42 | 0.13 | 10 | 5.79 | 0.34 | 0.11 | 10 | 5.51 | 0.21 | 0.07 | 3 | 5.61 | 0.16 | 0.09 |
| | 3 | 10 | 10.03 | 0.32 | 0.10 | 10 | 9.72 | 0.44 | 0.14 | 10 | 9.87 | 0.38 | 0.12 | 3 | 9.87 | 0.15 | 0.09 |
| | 4 | 10 | 14.91 | 0.33 | 0.11 | 10 | 14.94 | 0.43 | 0.14 | 10 | 14.86 | 0.27 | 0.08 | 3 | 14.90 | 0.04 | 0.02 |
| | 5 | 10 | 21.14 | 0.53 | 0.17 | 10 | 21.33 | 0.37 | 0.12 | 10 | 21.41 | 0.73 | 0.23 | 3 | 21.29 | 0.14 | 0.08 |
| | 9 | 10 | 8.13 | 0.92 | 0.29 | 10 | 7.26 | 0.96 | 0.30 | 10 | 6.72 | 0.79 | 0.25 | 3 | 7.37 | 0.71 | 0.41 |

PARAMETER = Peak Frequency
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 9 | 2.11 | 0.86 | 0.29 | 5 | 2.70 | 0.76 | 0.34 | 8 | 2.25 | 0.53 | 0.19 | 3 | 2.35 | 0.31 | 0.18 |
| | 2 | 10 | 5.50 | 0.78 | 0.25 | 10 | 6.25 | 0.92 | 0.29 | 9 | 6.17 | 0.90 | 0.30 | 3 | 5.97 | 0.41 | 0.24 |
| | 3 | 10 | 10.25 | 1.30 | 0.41 | 9 | 9.44 | 0.85 | 0.28 | 10 | 9.75 | 1.38 | 0.44 | 3 | 9.81 | 0.41 | 0.23 |
| | 4 | 10 | 15.20 | 1.14 | 0.36 | 10 | 15.75 | 1.16 | 0.37 | 9 | 15.06 | 1.26 | 0.42 | 3 | 15.34 | 0.37 | 0.21 |
| | 5 | 9 | 22.39 | 1.64 | 0.55 | 10 | 21.55 | 1.32 | 0.42 | 10 | 22.65 | 1.80 | 0.57 | 3 | 22.20 | 0.57 | 0.33 |
| 90-Minute | 9 | 10 | 9.25 | 7.83 | 2.48 | 10 | 6.30 | 2.58 | 0.82 | 10 | 6.50 | 5.95 | 1.88 | 3 | 7.35 | 1.65 | 0.95 |
| | 1 | 8 | 2.19 | 0.59 | 0.21 | 9 | 2.11 | 0.86 | 0.29 | 10 | 2.05 | 0.44 | 0.14 | 3 | 2.12 | 0.07 | 0.04 |
| | 2 | 8 | 5.87 | 0.83 | 0.30 | 9 | 5.94 | 0.88 | 0.29 | 10 | 5.80 | 0.86 | 0.27 | 3 | 5.87 | 0.07 | 0.04 |
| | 3 | 10 | 10.10 | 1.26 | 0.40 | 10 | 9.55 | 0.98 | 0.31 | 10 | 10.65 | 1.47 | 0.47 | 3 | 10.10 | 0.55 | 0.32 |
| | 4 | 10 | 15.80 | 0.95 | 0.30 | 10 | 15.85 | 1.27 | 0.40 | 10 | 15.25 | 1.23 | 0.39 | 3 | 15.63 | 0.33 | 0.19 |
| 300-Minute | 5 | 10 | 21.75 | 1.70 | 0.54 | 10 | 22.60 | 1.78 | 0.56 | 10 | 22.25 | 1.44 | 0.45 | 3 | 22.20 | 0.43 | 0.25 |
| | 9 | 10 | 4.10 | 3.48 | 1.10 | 10 | 3.70 | 2.12 | 0.67 | 10 | 3.60 | 2.08 | 0.66 | 3 | 3.80 | 0.26 | 0.15 |
| | 1 | 7 | 2.00 | 0.87 | 0.33 | 8 | 2.37 | 0.95 | 0.34 | 8 | 2.44 | 0.62 | 0.22 | 3 | 2.27 | 0.24 | 0.14 |
| | 2 | 9 | 6.33 | 0.75 | 0.25 | 10 | 6.10 | 0.74 | 0.23 | 10 | 6.50 | 0.97 | 0.31 | 3 | 6.31 | 0.20 | 0.12 |
| | 3 | 10 | 9.80 | 1.21 | 0.38 | 10 | 10.30 | 1.38 | 0.44 | 10 | 10.15 | 1.00 | 0.32 | 3 | 10.08 | 0.26 | 0.15 |
| 600-Minute | 4 | 9 | 16.28 | 1.23 | 0.41 | 10 | 15.95 | 1.21 | 0.38 | 10 | 14.55 | 1.28 | 0.40 | 3 | 15.59 | 0.92 | 0.53 |
| | 5 | 10 | 22.80 | 2.32 | 0.73 | 10 | 22.25 | 2.16 | 0.68 | 10 | 20.90 | 1.87 | 0.59 | 3 | 21.98 | 0.98 | 0.56 |
| | 9 | 10 | 5.45 | 7.19 | 2.27 | 10 | 3.40 | 1.79 | 0.57 | 10 | 3.95 | 2.19 | 0.69 | 3 | 4.27 | 1.06 | 0.61 |
| | 1 | 7 | 2.93 | 0.61 | 0.23 | 7 | 1.93 | 0.61 | 0.23 | 7 | 2.29 | 0.70 | 0.26 | 3 | 2.38 | 0.51 | 0.29 |
| | 2 | 9 | 5.44 | 0.77 | 0.26 | 9 | 5.61 | 0.82 | 0.27 | 10 | 6.10 | 0.88 | 0.28 | 3 | 5.72 | 0.34 | 0.20 |
| 900-Minute | 3 | 10 | 11.45 | 0.96 | 0.30 | 10 | 9.60 | 0.97 | 0.31 | 10 | 10.25 | 1.03 | 0.33 | 3 | 10.43 | 0.94 | 0.54 |
| | 4 | 8 | 15.31 | 1.33 | 0.47 | 10 | 15.15 | 1.33 | 0.42 | 10 | 15.65 | 1.08 | 0.34 | 3 | 15.37 | 0.26 | 0.15 |
| | 5 | 10 | 22.00 | 1.70 | 0.54 | 10 | 20.25 | 1.84 | 0.58 | 10 | 21.30 | 1.89 | 0.60 | 3 | 21.18 | 0.88 | 0.51 |
| | 9 | 10 | 5.20 | 2.38 | 0.75 | 10 | 4.70 | 3.68 | 1.16 | 10 | 5.55 | 6.40 | 2.02 | 3 | 5.15 | 0.43 | 0.25 |

PARAMETER = Peak Frequency
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | | Windows 11-20 | | | | Windows 21-30 | | | | Grand Mean | |
|------------|------------|--------------|-------|------|------|---------------|-------|------|------|---------------|-------|------|------|------------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | Mean | Std. |
| Baseline | 1 | 9 | 2.28 | 0.83 | 0.28 | 7 | 2.57 | 0.79 | 0.30 | 9 | 2.17 | 0.71 | 0.24 | 2.34 | 0.21 |
| | 2 | 10 | 5.90 | 0.97 | 0.31 | 10 | 6.10 | 1.13 | 0.36 | 10 | 6.25 | 0.75 | 0.24 | 6.08 | 0.18 |
| | 3 | 10 | 10.50 | 1.53 | 0.48 | 10 | 10.05 | 1.12 | 0.35 | 10 | 9.80 | 1.25 | 0.40 | 10.12 | 0.35 |
| | 4 | 10 | 15.75 | 1.34 | 0.42 | 8 | 15.81 | 0.84 | 0.30 | 10 | 15.75 | 1.14 | 0.36 | 15.77 | 0.04 |
| | 5 | 10 | 21.85 | 1.92 | 0.61 | 10 | 21.75 | 2.32 | 0.74 | 10 | 21.80 | 1.87 | 0.59 | 21.80 | 0.05 |
| | 9 | 10 | 6.30 | 6.18 | 1.96 | 10 | 6.25 | 3.51 | 1.11 | 10 | 7.10 | 5.35 | 1.69 | 6.55 | 0.48 |
| 90-Minute | 1 | 8 | 2.31 | 0.65 | 0.23 | 9 | 1.89 | 0.55 | 0.18 | 8 | 1.94 | 0.50 | 0.18 | 2.05 | 0.23 |
| | 2 | 10 | 6.45 | 1.12 | 0.35 | 9 | 5.78 | 1.12 | 0.37 | 10 | 6.25 | 1.23 | 0.39 | 6.16 | 0.35 |
| | 3 | 10 | 10.80 | 0.79 | 0.25 | 10 | 10.90 | 1.43 | 0.45 | 10 | 10.50 | 1.27 | 0.40 | 10.73 | 0.21 |
| | 4 | 9 | 15.67 | 1.06 | 0.35 | 10 | 16.05 | 1.12 | 0.35 | 9 | 15.94 | 1.36 | 0.45 | 15.89 | 0.20 |
| | 5 | 10 | 20.30 | 2.04 | 0.65 | 10 | 21.48 | 1.76 | 0.56 | 10 | 21.05 | 1.94 | 0.61 | 20.94 | 0.59 |
| | 9 | 10 | 5.50 | 2.37 | 0.75 | 10 | 4.05 | 2.70 | 0.85 | 10 | 3.95 | 2.31 | 0.73 | 4.50 | 0.87 |
| 300-Minute | 1 | 7 | 1.86 | 0.56 | 0.21 | 10 | 2.40 | 0.74 | 0.23 | 9 | 2.56 | 0.73 | 0.24 | 2.27 | 0.37 |
| | 2 | 10 | 6.00 | 1.05 | 0.33 | 9 | 6.39 | 1.05 | 0.35 | 10 | 6.05 | 0.98 | 0.31 | 6.15 | 0.21 |
| | 3 | 10 | 9.50 | 1.15 | 0.37 | 10 | 9.80 | 1.30 | 0.41 | 10 | 9.85 | 1.08 | 0.34 | 9.72 | 0.19 |
| | 4 | 10 | 15.05 | 1.17 | 0.37 | 10 | 15.45 | 0.90 | 0.28 | 10 | 15.60 | 1.33 | 0.42 | 15.37 | 0.28 |
| | 5 | 10 | 22.30 | 1.92 | 0.61 | 10 | 21.50 | 1.67 | 0.53 | 10 | 21.25 | 1.96 | 0.62 | 21.68 | 0.55 |
| | 9 | 10 | 3.50 | 2.37 | 0.75 | 10 | 4.55 | 3.00 | 0.95 | 10 | 4.75 | 2.49 | 0.79 | 4.27 | 0.67 |
| 600-Minute | 1 | 9 | 2.28 | 0.44 | 0.15 | 10 | 2.35 | 0.67 | 0.21 | 9 | 2.11 | 0.49 | 0.16 | 2.25 | 0.12 |
| | 2 | 10 | 5.90 | 1.15 | 0.36 | 10 | 6.25 | 0.89 | 0.28 | 10 | 5.80 | 1.18 | 0.37 | 5.98 | 0.24 |
| | 3 | 10 | 10.75 | 1.32 | 0.42 | 10 | 10.15 | 1.36 | 0.43 | 10 | 10.90 | 1.17 | 0.37 | 10.60 | 0.40 |
| | 4 | 10 | 15.30 | 1.09 | 0.34 | 10 | 16.10 | 1.22 | 0.39 | 10 | 15.25 | 1.44 | 0.45 | 15.55 | 0.48 |
| | 5 | 9 | 20.78 | 1.84 | 0.61 | 10 | 21.60 | 2.16 | 0.68 | 10 | 21.75 | 1.64 | 0.52 | 21.38 | 0.52 |
| | 9 | 10 | 3.80 | 1.92 | 0.61 | 10 | 3.45 | 1.99 | 0.63 | 10 | 3.15 | 2.73 | 0.86 | 3.47 | 0.33 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 122X DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | | |
| Baseline | 1 | 8 | 2.25 | 0.60 | 0.21 | 8 | 2.37 | 0.74 | 0.26 | 10 | 2.20 | 0.42 | 0.13 | 0.09 | 0.05 |
| | 2 | 8 | 6.00 | 1.13 | 0.40 | 10 | 6.30 | 1.14 | 0.36 | 10 | 6.20 | 0.95 | 0.30 | 0.15 | 0.09 |
| | 3 | 9 | 10.61 | 0.99 | 0.33 | 10 | 10.90 | 1.41 | 0.45 | 9 | 10.28 | 1.39 | 0.46 | 0.31 | 0.18 |
| | 4 | 10 | 15.50 | 1.25 | 0.39 | 10 | 15.10 | 1.13 | 0.36 | 9 | 15.17 | 1.06 | 0.35 | 0.21 | 0.12 |
| | 5 | 10 | 21.20 | 1.77 | 0.56 | 10 | 21.45 | 1.89 | 0.60 | 10 | 21.20 | 2.29 | 0.72 | 0.14 | 0.08 |
| 90-Minute | 9 | 10 | 5.10 | 5.58 | 1.76 | 10 | 6.15 | 3.19 | 1.01 | 10 | 5.30 | 3.06 | 0.97 | 0.56 | 0.32 |
| | 1 | 8 | 1.94 | 0.56 | 0.20 | 9 | 2.61 | 0.74 | 0.25 | 10 | 2.10 | 0.61 | 0.19 | 0.35 | 0.20 |
| | 2 | 10 | 5.70 | 1.09 | 0.34 | 10 | 6.85 | 0.78 | 0.25 | 10 | 5.95 | 0.69 | 0.22 | 0.60 | 0.35 |
| | 3 | 10 | 10.85 | 1.31 | 0.42 | 10 | 10.70 | 0.95 | 0.30 | 10 | 9.75 | 0.68 | 0.21 | 0.43 | 0.34 |
| | 4 | 10 | 15.25 | 1.11 | 0.35 | 10 | 15.40 | 1.70 | 0.54 | 10 | 15.65 | 1.68 | 0.53 | 0.20 | 0.12 |
| 300-Minute | 5 | 10 | 21.65 | 1.63 | 0.52 | 10 | 21.80 | 1.97 | 0.62 | 10 | 21.30 | 1.69 | 0.53 | 0.26 | 0.15 |
| | 9 | 10 | 3.65 | 2.97 | 0.94 | 10 | 3.45 | 1.80 | 0.57 | 10 | 3.75 | 1.93 | 0.61 | 0.15 | 0.09 |
| | 1 | 8 | 2.75 | 0.60 | 0.21 | 7 | 2.14 | 0.94 | 0.36 | 8 | 2.00 | 0.46 | 0.16 | 0.40 | 0.23 |
| | 2 | 9 | 6.06 | 1.07 | 0.36 | 10 | 5.40 | 1.17 | 0.37 | 10 | 5.95 | 1.32 | 0.42 | 0.35 | 0.20 |
| | 3 | 10 | 10.00 | 0.94 | 0.30 | 9 | 10.50 | 1.39 | 0.46 | 10 | 10.75 | 1.16 | 0.37 | 0.38 | 0.22 |
| 600-Minute | 4 | 10 | 15.05 | 1.04 | 0.33 | 10 | 15.85 | 1.23 | 0.39 | 10 | 15.60 | 0.99 | 0.31 | 0.41 | 0.24 |
| | 5 | 10 | 21.55 | 1.91 | 0.60 | 10 | 21.90 | 2.00 | 0.63 | 10 | 20.35 | 1.87 | 0.59 | 0.81 | 0.47 |
| | 9 | 10 | 4.35 | 2.57 | 0.81 | 10 | 4.10 | 3.20 | 1.01 | 10 | 4.25 | 2.54 | 0.80 | 0.13 | 0.07 |
| | 1 | 10 | 2.50 | 0.78 | 0.25 | 10 | 2.05 | 0.72 | 0.23 | 9 | 2.00 | 0.56 | 0.19 | 0.28 | 0.16 |
| | 2 | 10 | 5.65 | 0.75 | 0.24 | 8 | 5.56 | 0.90 | 0.32 | 9 | 5.39 | 1.08 | 0.36 | 0.13 | 0.08 |
| | 3 | 10 | 9.90 | 1.22 | 0.39 | 10 | 9.60 | 1.15 | 0.36 | 10 | 10.50 | 1.05 | 0.33 | 0.46 | 0.26 |
| | 4 | 9 | 14.61 | 0.86 | 0.29 | 10 | 14.85 | 1.00 | 0.32 | 10 | 15.50 | 1.22 | 0.39 | 0.46 | 0.27 |
| | 5 | 10 | 20.80 | 1.92 | 0.61 | 10 | 21.70 | 2.11 | 0.67 | 10 | 22.40 | 1.94 | 0.61 | 0.80 | 0.46 |
| | 9 | 10 | 4.40 | 3.15 | 1.00 | 10 | 3.20 | 2.74 | 0.87 | 10 | 2.95 | 1.46 | 0.46 | 0.78 | 0.45 |

PARAMETER = Peak Frequency
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 9 | 2.39 | 0.55 | 0.18 | 8 | 2.87 | 0.64 | 0.23 | 9 | 2.28 | 0.67 | 0.22 | 3 | 2.51 | 0.32 | 0.18 |
| | 2 | 9 | 6.06 | 0.98 | 0.33 | 10 | 6.00 | 1.08 | 0.34 | 10 | 6.05 | 0.96 | 0.30 | 3 | 6.04 | 0.03 | 0.02 |
| | 3 | 10 | 9.95 | 1.14 | 0.36 | 10 | 10.40 | 1.37 | 0.43 | 10 | 10.40 | 1.52 | 0.48 | 3 | 10.25 | 0.26 | 0.15 |
| | 4 | 10 | 14.90 | 1.31 | 0.41 | 10 | 15.35 | 1.45 | 0.46 | 10 | 15.55 | 0.96 | 0.30 | 3 | 15.27 | 0.33 | 0.19 |
| | 5 | 10 | 21.05 | 1.82 | 0.57 | 10 | 21.40 | 1.63 | 0.52 | 10 | 20.65 | 1.43 | 0.45 | 3 | 21.03 | 0.38 | 0.22 |
| 90-Minute | 9 | 10 | 4.45 | 3.65 | 1.15 | 10 | 6.20 | 3.24 | 1.03 | 10 | 6.15 | 4.09 | 1.29 | 3 | 5.60 | 1.00 | 0.58 |
| | 1 | 8 | 2.75 | 0.60 | 0.21 | 7 | 2.07 | 0.73 | 0.28 | 9 | 2.17 | 0.66 | 0.22 | 3 | 2.33 | 0.37 | 0.21 |
| | 2 | 10 | 5.80 | 1.06 | 0.33 | 10 | 6.25 | 0.98 | 0.31 | 10 | 5.70 | 0.92 | 0.29 | 3 | 5.92 | 0.29 | 0.17 |
| | 3 | 10 | 10.55 | 1.62 | 0.51 | 10 | 10.15 | 1.06 | 0.33 | 10 | 10.45 | 1.21 | 0.38 | 3 | 10.38 | 0.21 | 0.12 |
| | 4 | 10 | 15.80 | 1.27 | 0.40 | 10 | 14.85 | 1.40 | 0.44 | 10 | 15.30 | 1.38 | 0.44 | 3 | 15.32 | 0.48 | 0.27 |
| 300-Minute | 5 | 10 | 21.15 | 2.07 | 0.65 | 10 | 21.20 | 1.60 | 0.51 | 10 | 21.60 | 1.26 | 0.40 | 3 | 21.32 | 0.25 | 0.14 |
| | 9 | 10 | 4.90 | 3.00 | 0.95 | 10 | 3.85 | 2.20 | 0.70 | 10 | 3.05 | 1.48 | 0.47 | 3 | 3.93 | 0.93 | 0.54 |
| | 1 | 7 | 2.71 | 0.76 | 0.29 | 9 | 2.28 | 0.67 | 0.22 | 9 | 2.56 | 0.46 | 0.15 | 3 | 2.52 | 0.22 | 0.13 |
| | 2 | 10 | 5.80 | 0.95 | 0.30 | 10 | 5.20 | 1.03 | 0.33 | 10 | 5.75 | 1.16 | 0.37 | 3 | 5.58 | 0.33 | 0.19 |
| | 3 | 9 | 9.83 | 1.12 | 0.37 | 10 | 10.15 | 1.27 | 0.40 | 10 | 10.45 | 1.09 | 0.35 | 3 | 10.14 | 0.31 | 0.18 |
| 600-Minute | 4 | 10 | 15.00 | 1.31 | 0.41 | 10 | 14.90 | 1.13 | 0.36 | 10 | 15.55 | 1.17 | 0.37 | 3 | 15.15 | 0.35 | 0.20 |
| | 5 | 10 | 20.95 | 2.42 | 0.77 | 10 | 22.40 | 1.98 | 0.63 | 10 | 21.15 | 2.14 | 0.68 | 3 | 21.50 | 0.79 | 0.45 |
| | 9 | 10 | 4.90 | 2.54 | 0.80 | 10 | 4.00 | 2.84 | 0.90 | 10 | 4.90 | 3.75 | 1.19 | 3 | 4.60 | 0.52 | 0.30 |
| | 1 | 10 | 2.25 | 0.68 | 0.21 | 9 | 2.22 | 0.87 | 0.29 | 7 | 2.43 | 0.79 | 0.30 | 3 | 2.30 | 0.11 | 0.06 |
| | 2 | 10 | 5.65 | 0.75 | 0.24 | 9 | 6.06 | 0.95 | 0.32 | 10 | 5.50 | 0.78 | 0.25 | 3 | 5.74 | 0.29 | 0.17 |
| | 3 | 10 | 10.05 | 1.36 | 0.43 | 10 | 10.15 | 1.20 | 0.38 | 10 | 10.15 | 1.00 | 0.32 | 3 | 10.12 | 0.06 | 0.03 |
| | 4 | 10 | 15.10 | 0.81 | 0.26 | 10 | 15.65 | 1.42 | 0.45 | 10 | 15.40 | 1.39 | 0.44 | 3 | 15.38 | 0.28 | 0.16 |
| | 5 | 10 | 20.90 | 1.51 | 0.48 | 10 | 22.45 | 1.19 | 0.38 | 10 | 21.70 | 1.96 | 0.62 | 3 | 21.68 | 0.78 | 0.45 |
| | 9 | 10 | 3.35 | 2.43 | 0.77 | 10 | 3.40 | 2.33 | 0.74 | 10 | 3.20 | 1.44 | 0.45 | 3 | 3.32 | 0.10 | 0.06 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 122X DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | |
|------------|------------|--------------|--------|-------|---------------|----|--------|---------------|-------|----|------------|-------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | |
| Baseline | 1 | 10 | 34.72 | 19.92 | 6.30 | 10 | 50.09 | 23.57 | 7.45 | 10 | 48.60 | 22.68 | 7.17 | 4.89 |
| | 2 | 10 | 36.35 | 27.87 | 8.81 | 10 | 37.82 | 13.66 | 4.32 | 10 | 37.94 | 23.20 | 7.34 | 0.51 |
| | 3 | 10 | 30.96 | 14.79 | 4.68 | 10 | 35.40 | 27.13 | 8.58 | 10 | 39.05 | 25.16 | 7.96 | 2.34 |
| | 4 | 10 | 19.96 | 12.75 | 4.03 | 10 | 13.80 | 8.03 | 2.54 | 10 | 15.43 | 3.06 | 0.97 | 1.84 |
| | 5 | 10 | 33.35 | 21.77 | 6.89 | 10 | 12.89 | 4.91 | 1.55 | 10 | 17.74 | 9.74 | 3.08 | 6.17 |
| | 6 | 10 | 14.35 | 11.24 | 3.55 | 10 | 9.61 | 8.92 | 2.82 | 10 | 7.09 | 3.26 | 1.03 | 2.13 |
| | 7 | 10 | 23.74 | 16.05 | 5.08 | 10 | 11.42 | 3.96 | 1.25 | 10 | 10.77 | 4.78 | 1.51 | 4.22 |
| | 8 | 10 | 0.31 | 0.30 | 0.09 | 10 | 0.04 | 0.08 | 0.03 | 10 | 0.04 | 0.14 | 0.04 | 0.09 |
| | 9 | 10 | 155.34 | 46.28 | 14.64 | 10 | 149.99 | 40.61 | 12.84 | 10 | 158.76 | 45.38 | 14.35 | 2.55 |
| 90-Minute | 1 | 10 | 79.86 | 33.57 | 10.62 | 10 | 81.31 | 35.03 | 11.08 | 10 | 72.57 | 46.89 | 14.83 | 2.70 |
| | 2 | 10 | 36.66 | 16.38 | 5.18 | 10 | 52.22 | 23.05 | 7.29 | 10 | 62.85 | 24.32 | 7.69 | 7.60 |
| | 3 | 10 | 45.81 | 21.49 | 6.79 | 10 | 34.31 | 11.74 | 3.71 | 10 | 27.44 | 10.15 | 3.21 | 5.36 |
| | 4 | 10 | 18.60 | 5.36 | 1.70 | 10 | 16.64 | 6.65 | 2.10 | 10 | 12.72 | 5.42 | 1.71 | 1.73 |
| | 5 | 10 | 23.37 | 8.79 | 2.78 | 10 | 24.41 | 14.85 | 4.70 | 10 | 11.84 | 4.73 | 1.50 | 4.03 |
| | 6 | 10 | 13.01 | 9.88 | 3.12 | 10 | 12.81 | 6.87 | 2.17 | 10 | 6.35 | 2.76 | 0.87 | 2.19 |
| | 7 | 10 | 40.30 | 32.97 | 10.42 | 10 | 63.82 | 41.41 | 13.10 | 10 | 25.33 | 10.47 | 3.31 | 11.20 |
| | 8 | 10 | 1.14 | 1.25 | 0.39 | 10 | 2.86 | 2.94 | 0.93 | 10 | 1.05 | 0.91 | 0.29 | 0.59 |
| | 9 | 10 | 204.30 | 45.19 | 14.29 | 10 | 208.89 | 52.49 | 16.60 | 10 | 187.42 | 62.06 | 19.63 | 6.53 |
| 300-Minute | 1 | 10 | 51.48 | 38.97 | 12.32 | 10 | 36.25 | 16.48 | 5.21 | 10 | 63.05 | 30.36 | 9.60 | 7.76 |
| | 2 | 10 | 27.17 | 15.48 | 4.89 | 10 | 24.46 | 20.35 | 6.43 | 10 | 33.90 | 9.54 | 3.02 | 2.81 |
| | 3 | 10 | 26.64 | 11.78 | 3.73 | 10 | 21.29 | 11.94 | 3.78 | 10 | 21.68 | 2.51 | 0.79 | 1.72 |
| | 4 | 10 | 13.77 | 6.73 | 2.13 | 10 | 12.28 | 4.83 | 1.53 | 10 | 14.38 | 5.10 | 1.61 | 0.63 |
| | 5 | 10 | 22.03 | 8.77 | 2.77 | 10 | 13.09 | 6.34 | 2.00 | 10 | 12.52 | 5.89 | 1.86 | 3.08 |
| | 6 | 10 | 12.17 | 5.58 | 1.76 | 10 | 10.41 | 4.64 | 1.47 | 10 | 8.31 | 4.96 | 1.57 | 1.12 |
| | 7 | 10 | 36.53 | 24.70 | 7.81 | 10 | 29.81 | 18.75 | 5.93 | 10 | 29.74 | 19.38 | 6.13 | 2.25 |
| | 8 | 10 | 0.52 | 0.49 | 0.15 | 10 | 0.90 | 1.71 | 0.54 | 10 | 0.86 | 0.92 | 0.29 | 0.12 |
| | 9 | 10 | 141.09 | 42.18 | 13.34 | 10 | 107.37 | 40.76 | 12.89 | 10 | 145.54 | 36.84 | 11.65 | 12.05 |
| 600-Minute | 1 | 10 | 34.20 | 20.01 | 6.33 | 10 | 42.92 | 14.61 | 4.62 | 10 | 57.09 | 24.14 | 7.63 | 6.67 |
| | 2 | 10 | 17.40 | 8.15 | 2.58 | 10 | 29.98 | 15.54 | 4.91 | 10 | 36.63 | 27.11 | 8.57 | 5.64 |
| | 3 | 10 | 14.02 | 6.11 | 1.93 | 10 | 19.74 | 17.25 | 5.45 | 10 | 17.76 | 9.60 | 3.03 | 1.68 |
| | 4 | 10 | 8.05 | 2.58 | 0.82 | 10 | 8.82 | 1.91 | 0.60 | 10 | 7.44 | 1.71 | 0.54 | 0.40 |
| | 5 | 10 | 9.95 | 2.13 | 0.67 | 10 | 8.50 | 3.01 | 0.95 | 10 | 8.51 | 3.62 | 1.14 | 0.48 |
| | 6 | 10 | 6.88 | 3.44 | 1.09 | 10 | 5.73 | 1.51 | 0.48 | 10 | 5.06 | 3.28 | 1.04 | 0.53 |
| | 7 | 10 | 10.56 | 3.28 | 1.04 | 10 | 9.32 | 3.01 | 0.95 | 10 | 9.01 | 6.73 | 2.13 | 0.47 |
| | 8 | 10 | 0.00 | 0.00 | 0.00 | 10 | 0.04 | 0.10 | 0.03 | 10 | 16.10 | 50.68 | 16.03 | 0.82 |
| | 9 | 10 | 83.62 | 29.71 | 9.39 | 10 | 109.95 | 31.01 | 9.81 | 10 | 127.43 | 51.85 | 16.39 | 5.36 |
| | | | | | | | | | | | | | 12.73 | |
| | | | | | | | | | | | | | 22.05 | |
| | | | | | | | | | | | | | 22.05 | |
| | | | | | | | | | | | | | 12.73 | |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 122X DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|--------|-------|---------------|----|--------|---------------|-------|----|------------|-------|-------|---|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 29.96 | 10.02 | 3.17 | 10 | 32.04 | 18.84 | 5.96 | 10 | 26.65 | 14.33 | 4.53 | 3 | 29.55 | 2.72 | 1.57 |
| | 2 | 10 | 30.12 | 22.56 | 7.13 | 10 | 33.45 | 21.22 | 6.71 | 10 | 33.53 | 15.55 | 4.92 | 3 | 32.37 | 1.94 | 1.12 |
| | 3 | 10 | 25.66 | 20.01 | 6.33 | 10 | 28.98 | 26.30 | 8.32 | 10 | 31.07 | 16.93 | 5.35 | 3 | 28.57 | 2.73 | 1.57 |
| | 4 | 10 | 16.96 | 10.39 | 3.29 | 10 | 11.03 | 6.07 | 1.92 | 10 | 14.28 | 4.45 | 1.41 | 3 | 14.09 | 2.97 | 1.71 |
| | 5 | 10 | 19.00 | 10.81 | 3.42 | 10 | 10.65 | 2.79 | 0.88 | 10 | 12.16 | 4.81 | 1.52 | 3 | 13.94 | 4.45 | 2.57 |
| | 6 | 10 | 6.95 | 1.81 | 0.57 | 10 | 6.19 | 2.14 | 0.68 | 10 | 5.59 | 2.00 | 0.63 | 3 | 6.24 | 0.68 | 0.39 |
| | 7 | 10 | 18.03 | 5.50 | 1.74 | 10 | 13.56 | 2.45 | 0.77 | 10 | 12.19 | 4.34 | 1.37 | 3 | 14.59 | 3.05 | 1.76 |
| | 8 | 10 | 0.24 | 0.15 | 0.05 | 10 | 0.11 | 0.12 | 0.04 | 10 | 0.14 | 0.17 | 0.05 | 3 | 0.16 | 0.07 | 0.04 |
| | 9 | 10 | 121.70 | 45.46 | 14.37 | 10 | 116.15 | 64.48 | 20.39 | 10 | 117.67 | 42.38 | 13.40 | 3 | 118.51 | 2.87 | 1.66 |
| 90-Minute | 1 | 10 | 49.25 | 23.86 | 7.54 | 10 | 45.58 | 25.74 | 8.14 | 10 | 52.97 | 28.80 | 9.11 | 3 | 49.27 | 3.70 | 2.13 |
| | 2 | 10 | 46.01 | 15.75 | 4.98 | 10 | 39.71 | 20.42 | 6.46 | 10 | 62.56 | 27.97 | 8.84 | 3 | 49.43 | 11.80 | 6.81 |
| | 3 | 10 | 31.43 | 14.41 | 4.56 | 10 | 33.70 | 10.61 | 3.36 | 10 | 31.96 | 19.32 | 6.11 | 3 | 32.36 | 1.19 | 0.69 |
| | 4 | 10 | 17.91 | 8.43 | 2.66 | 10 | 16.25 | 9.94 | 3.14 | 10 | 15.88 | 12.84 | 4.06 | 3 | 16.68 | 1.08 | 0.62 |
| | 5 | 10 | 22.81 | 10.21 | 3.23 | 10 | 16.38 | 4.01 | 1.27 | 10 | 14.09 | 10.23 | 3.24 | 3 | 17.76 | 4.52 | 2.61 |
| | 6 | 10 | 13.22 | 6.00 | 1.90 | 10 | 9.79 | 4.02 | 1.27 | 10 | 11.14 | 15.54 | 4.91 | 3 | 11.38 | 1.73 | 1.00 |
| | 7 | 10 | 51.06 | 33.67 | 10.65 | 10 | 41.89 | 19.38 | 6.13 | 10 | 53.57 | 89.87 | 28.42 | 3 | 48.84 | 6.15 | 3.55 |
| | 8 | 10 | 1.87 | 1.39 | 0.44 | 10 | 1.66 | 1.11 | 0.35 | 10 | 1.98 | 3.28 | 1.04 | 3 | 1.84 | 0.16 | 0.10 |
| | 9 | 10 | 167.41 | 26.56 | 8.40 | 10 | 151.62 | 40.85 | 12.92 | 10 | 177.46 | 84.08 | 26.59 | 3 | 165.49 | 13.03 | 7.52 |
| 300-Minute | 1 | 10 | 42.25 | 16.43 | 5.20 | 10 | 23.82 | 10.04 | 3.17 | 10 | 40.45 | 18.98 | 6.00 | 3 | 35.51 | 10.16 | 5.87 |
| | 2 | 10 | 32.79 | 25.02 | 7.91 | 10 | 28.89 | 23.19 | 7.33 | 10 | 33.90 | 9.29 | 2.94 | 3 | 31.86 | 2.63 | 1.52 |
| | 3 | 10 | 26.26 | 15.22 | 4.81 | 10 | 20.00 | 7.00 | 2.22 | 10 | 25.19 | 12.55 | 3.97 | 3 | 23.82 | 3.35 | 1.94 |
| | 4 | 10 | 12.09 | 3.57 | 1.13 | 10 | 11.60 | 2.71 | 0.86 | 10 | 13.23 | 5.38 | 1.70 | 3 | 12.31 | 0.84 | 0.48 |
| | 5 | 10 | 11.09 | 3.66 | 1.16 | 10 | 10.94 | 2.25 | 0.71 | 10 | 13.59 | 5.82 | 1.84 | 3 | 11.87 | 1.49 | 0.86 |
| | 6 | 10 | 9.75 | 3.81 | 1.20 | 10 | 7.97 | 2.26 | 0.72 | 10 | 7.50 | 2.95 | 0.93 | 3 | 8.41 | 1.19 | 0.69 |
| | 7 | 10 | 20.84 | 17.20 | 5.44 | 10 | 21.90 | 10.02 | 3.17 | 10 | 21.08 | 9.63 | 3.04 | 3 | 21.27 | 0.56 | 0.32 |
| | 8 | 10 | 0.43 | 0.47 | 0.15 | 10 | 0.58 | 0.72 | 0.23 | 10 | 0.70 | 0.56 | 0.18 | 3 | 0.57 | 0.13 | 0.08 |
| | 9 | 10 | 124.48 | 49.58 | 15.68 | 10 | 95.25 | 30.19 | 9.55 | 10 | 126.37 | 34.66 | 10.96 | 3 | 115.37 | 17.44 | 10.07 |
| 600-Minute | 1 | 10 | 27.84 | 11.97 | 3.78 | 10 | 27.75 | 13.96 | 4.41 | 10 | 33.15 | 16.54 | 5.23 | 3 | 29.58 | 3.09 | 1.78 |
| | 2 | 10 | 22.97 | 10.50 | 3.32 | 10 | 23.50 | 8.42 | 2.66 | 10 | 20.20 | 12.77 | 4.04 | 3 | 22.22 | 1.77 | 1.02 |
| | 3 | 10 | 15.09 | 3.88 | 1.23 | 10 | 14.65 | 4.49 | 1.42 | 10 | 14.73 | 4.23 | 1.34 | 3 | 14.83 | 0.24 | 0.14 |
| | 4 | 10 | 8.84 | 2.20 | 0.70 | 10 | 9.60 | 2.70 | 0.85 | 10 | 7.78 | 3.22 | 1.02 | 3 | 8.74 | 0.91 | 0.53 |
| | 5 | 10 | 7.28 | 1.66 | 0.52 | 10 | 7.65 | 2.21 | 0.70 | 10 | 7.16 | 1.54 | 0.49 | 3 | 7.36 | 0.26 | 0.15 |
| | 6 | 10 | 5.35 | 2.88 | 0.91 | 10 | 4.14 | 1.14 | 0.36 | 10 | 4.17 | 1.36 | 0.43 | 3 | 4.55 | 0.69 | 0.40 |
| | 7 | 10 | 11.72 | 4.28 | 1.35 | 10 | 10.49 | 2.18 | 0.69 | 10 | 9.95 | 3.24 | 1.02 | 3 | 10.72 | 0.91 | 0.52 |
| | 8 | 10 | 0.11 | 0.16 | 0.05 | 10 | 0.05 | 0.13 | 0.04 | 10 | 7.86 | 24.82 | 7.85 | 3 | 2.68 | 4.49 | 2.59 |
| | 9 | 10 | 82.03 | 24.16 | 7.64 | 10 | 83.15 | 21.13 | 6.68 | 10 | 83.02 | 29.29 | 9.26 | 3 | 82.73 | 0.62 | 0.36 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 122X DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|--------|-------|---------------|----|--------|---------------|-------|----|------------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 61.97 | 29.17 | 9.23 | 10 | 61.56 | 20.37 | 6.44 | 10 | 55.44 | 23.43 | 7.41 |
| | 2 | 10 | 46.38 | 41.63 | 13.17 | 10 | 79.91 | 60.12 | 19.01 | 10 | 56.79 | 32.03 | 10.13 |
| | 3 | 10 | 39.94 | 23.32 | 7.37 | 10 | 57.02 | 38.19 | 12.08 | 10 | 59.46 | 35.01 | 11.07 |
| | 4 | 10 | 26.93 | 16.66 | 5.27 | 10 | 22.64 | 12.58 | 3.98 | 10 | 26.19 | 13.03 | 4.12 |
| | 5 | 10 | 28.51 | 23.45 | 7.42 | 10 | 18.88 | 8.92 | 2.82 | 10 | 19.59 | 7.65 | 2.42 |
| | 6 | 10 | 16.75 | 8.72 | 2.76 | 10 | 11.71 | 4.74 | 1.50 | 10 | 12.75 | 6.32 | 2.00 |
| | 7 | 10 | 35.96 | 16.78 | 5.31 | 10 | 25.07 | 11.24 | 3.55 | 10 | 25.05 | 6.60 | 2.09 |
| | 8 | 10 | 0.54 | 0.48 | 0.15 | 10 | 0.15 | 0.23 | 0.07 | 10 | 0.17 | 0.28 | 0.09 |
| | 9 | 10 | 203.73 | 59.06 | 18.68 | 10 | 240.03 | 85.27 | 26.97 | 10 | 217.47 | 61.57 | 19.47 |
| 90-Minute | 1 | 10 | 100.77 | 35.16 | 11.12 | 10 | 124.29 | 54.93 | 17.37 | 10 | 107.21 | 44.50 | 14.07 |
| | 2 | 10 | 61.03 | 31.10 | 9.83 | 10 | 87.67 | 37.68 | 11.91 | 10 | 105.98 | 22.53 | 7.12 |
| | 3 | 10 | 64.75 | 24.51 | 7.75 | 10 | 57.98 | 22.43 | 7.09 | 10 | 48.09 | 34.17 | 10.81 |
| | 4 | 10 | 30.73 | 14.73 | 4.66 | 10 | 35.94 | 14.09 | 4.46 | 10 | 25.25 | 10.98 | 3.47 |
| | 5 | 10 | 26.91 | 17.91 | 5.66 | 10 | 30.69 | 14.88 | 4.71 | 10 | 21.19 | 10.32 | 3.26 |
| | 6 | 10 | 23.03 | 12.32 | 3.89 | 10 | 21.81 | 8.44 | 2.67 | 10 | 13.23 | 7.63 | 2.41 |
| | 7 | 10 | 66.66 | 50.98 | 16.12 | 10 | 93.81 | 55.32 | 17.49 | 10 | 50.75 | 35.44 | 11.21 |
| | 8 | 10 | 1.75 | 1.94 | 0.61 | 10 | 5.50 | 7.66 | 2.42 | 10 | 1.91 | 1.70 | 0.54 |
| | 9 | 10 | 284.18 | 84.01 | 26.57 | 10 | 336.58 | 92.15 | 29.14 | 10 | 307.72 | 62.53 | 19.77 |
| 300-Minute | 1 | 10 | 60.31 | 23.84 | 7.54 | 10 | 56.34 | 31.67 | 10.02 | 10 | 59.28 | 22.70 | 7.18 |
| | 2 | 10 | 50.87 | 20.41 | 6.45 | 10 | 47.68 | 17.32 | 5.48 | 10 | 57.55 | 37.29 | 11.79 |
| | 3 | 10 | 46.71 | 27.36 | 8.65 | 10 | 44.36 | 16.69 | 5.28 | 10 | 38.66 | 13.48 | 4.26 |
| | 4 | 10 | 25.08 | 8.45 | 2.67 | 10 | 23.20 | 8.83 | 2.79 | 10 | 25.60 | 7.53 | 2.38 |
| | 5 | 10 | 24.88 | 9.36 | 2.96 | 10 | 23.55 | 15.63 | 4.94 | 10 | 23.14 | 8.80 | 2.78 |
| | 6 | 10 | 14.98 | 4.64 | 1.47 | 10 | 14.57 | 7.91 | 2.50 | 10 | 14.18 | 5.38 | 1.70 |
| | 7 | 10 | 44.48 | 19.09 | 6.04 | 10 | 49.49 | 35.57 | 11.25 | 10 | 39.88 | 18.03 | 5.70 |
| | 8 | 10 | 0.76 | 1.20 | 0.38 | 10 | 1.47 | 2.37 | 0.75 | 10 | 0.76 | 0.76 | 0.24 |
| | 9 | 10 | 207.85 | 61.79 | 19.54 | 10 | 195.13 | 57.94 | 18.32 | 10 | 204.23 | 53.85 | 17.03 |
| 600-Minute | 1 | 10 | 46.89 | 15.76 | 4.98 | 10 | 73.85 | 19.12 | 6.05 | 10 | 64.98 | 25.81 | 8.16 |
| | 2 | 10 | 37.26 | 14.59 | 4.61 | 10 | 43.58 | 18.78 | 5.94 | 10 | 60.87 | 22.20 | 7.02 |
| | 3 | 10 | 35.00 | 14.73 | 4.66 | 10 | 39.33 | 22.60 | 7.15 | 10 | 37.38 | 17.74 | 5.61 |
| | 4 | 10 | 15.68 | 6.06 | 1.92 | 10 | 20.38 | 11.65 | 3.68 | 10 | 13.72 | 5.42 | 1.71 |
| | 5 | 10 | 14.28 | 4.56 | 1.44 | 10 | 17.13 | 6.35 | 2.01 | 10 | 13.83 | 3.76 | 1.19 |
| | 6 | 10 | 12.56 | 2.78 | 0.88 | 10 | 10.17 | 2.43 | 0.77 | 10 | 8.37 | 3.42 | 1.08 |
| | 7 | 10 | 29.10 | 5.08 | 1.61 | 10 | 16.82 | 3.00 | 0.95 | 10 | 17.73 | 5.76 | 1.82 |
| | 8 | 10 | 0.17 | 0.24 | 0.08 | 10 | 0.03 | 0.07 | 0.02 | 10 | 23.77 | 74.89 | 23.68 |
| | 9 | 10 | 149.11 | 29.97 | 9.48 | 10 | 194.27 | 48.08 | 15.20 | 10 | 190.78 | 42.13 | 13.32 |
| | 1 | 10 | 46.89 | 15.76 | 4.98 | 10 | 73.85 | 19.12 | 6.05 | 10 | 64.98 | 25.81 | 8.16 |
| | 2 | 10 | 37.26 | 14.59 | 4.61 | 10 | 43.58 | 18.78 | 5.94 | 10 | 60.87 | 22.20 | 7.02 |
| | 3 | 10 | 35.00 | 14.73 | 4.66 | 10 | 39.33 | 22.60 | 7.15 | 10 | 37.38 | 17.74 | 5.61 |
| | 4 | 10 | 15.68 | 6.06 | 1.92 | 10 | 20.38 | 11.65 | 3.68 | 10 | 13.72 | 5.42 | 1.71 |
| | 5 | 10 | 14.28 | 4.56 | 1.44 | 10 | 17.13 | 6.35 | 2.01 | 10 | 13.83 | 3.76 | 1.19 |
| | 6 | 10 | 12.56 | 2.78 | 0.88 | 10 | 10.17 | 2.43 | 0.77 | 10 | 8.37 | 3.42 | 1.08 |
| | 7 | 10 | 29.10 | 5.08 | 1.61 | 10 | 16.82 | 3.00 | 0.95 | 10 | 17.73 | 5.76 | 1.82 |
| | 8 | 10 | 0.17 | 0.24 | 0.08 | 10 | 0.03 | 0.07 | 0.02 | 10 | 23.77 | 74.89 | 23.68 |
| | 9 | 10 | 149.11 | 29.97 | 9.48 | 10 | 194.27 | 48.08 | 15.20 | 10 | 190.78 | 42.13 | 13.32 |
| | 1 | 10 | 46.89 | 15.76 | 4.98 | 10 | 73.85 | 19.12 | 6.05 | 10 | 64.98 | 25.81 | 8.16 |
| | 2 | 10 | 37.26 | 14.59 | 4.61 | 10 | 43.58 | 18.78 | 5.94 | 10 | 60.87 | 22.20 | 7.02 |
| | 3 | 10 | 35.00 | 14.73 | 4.66 | 10 | 39.33 | 22.60 | 7.15 | 10 | 37.38 | 17.74 | 5.61 |
| | 4 | 10 | 15.68 | 6.06 | 1.92 | 10 | 20.38 | 11.65 | 3.68 | 10 | 13.72 | 5.42 | 1.71 |
| | 5 | 10 | 14.28 | 4.56 | 1.44 | 10 | 17.13 | 6.35 | 2.01 | 10 | 13.83 | 3.76 | 1.19 |
| | 6 | 10 | 12.56 | 2.78 | 0.88 | 10 | 10.17 | 2.43 | 0.77 | 10 | 8.37 | 3.42 | 1.08 |
| | 7 | 10 | 29.10 | 5.08 | 1.61 | 10 | 16.82 | 3.00 | 0.95 | 10 | 17.73 | 5.76 | 1.82 |
| | 8 | 10 | 0.17 | 0.24 | 0.08 | 10 | 0.03 | 0.07 | 0.02 | 10 | 23.77 | 74.89 | 23.68 |
| | 9 | 10 | 149.11 | 29.97 | 9.48 | 10 | 194.27 | 48.08 | 15.20 | 10 | 190.78 | 42.13 | 13.32 |
| | 1 | 10 | 46.89 | 15.76 | 4.98 | 10 | 73.85 | 19.12 | 6.05 | 10 | 64.98 | 25.81 | 8.16 |
| | 2 | 10 | 37.26 | 14.59 | 4.61 | 10 | 43.58 | 18.78 | 5.94 | 10 | 60.87 | 22.20 | 7.02 |
| | 3 | 10 | 35.00 | 14.73 | 4.66 | 10 | 39.33 | 22.60 | 7.15 | 10 | 37.38 | 17.74 | 5.61 |
| | 4 | 10 | 15.68 | 6.06 | 1.92 | 10 | 20.38 | 11.65 | 3.68 | 10 | 13.72 | 5.42 | 1.71 |
| | 5 | 10 | 14.28 | 4.56 | 1.44 | 10 | 17.13 | 6.35 | 2.01 | 10 | 13.83 | 3.76 | 1.19 |
| | 6 | 10 | 12.56 | 2.78 | 0.88 | 10 | 10.17 | 2.43 | 0.77 | 10 | 8.37 | 3.42 | 1.08 |
| | 7 | 10 | 29.10 | 5.08 | 1.61 | 10 | 16.82 | 3.00 | 0.95 | 10 | 17.73 | 5.76 | 1.82 |
| | 8 | 10 | 0.17 | 0.24 | 0.08 | 10 | 0.03 | 0.07 | 0.02 | 10 | 23.77 | 74.89 | 23.68 |
| | 9 | 10 | 149.11 | 29.97 | 9.48 | 10 | 194.27 | 48.08 | 15.20 | 10 | 190.78 | 42.13 | 13.32 |
| | 1 | 10 | 46.89 | 15.76 | 4.98 | 10 | 73.85 | 19.12 | 6.05 | 10 | 64.98 | 25.81 | 8.16 |
| | 2 | 10 | 37.26 | 14.59 | 4.61 | 10 | 43.58 | 18.78 | 5.94 | 10 | 60.87 | 22.20 | 7.02 |
| | 3 | 10 | 35.00 | 14.73 | 4.66 | 10 | 39.33 | 22.60 | 7.15 | 10 | 37.38 | 17.74 | 5.61 |
| | 4 | 10 | 15.68 | 6.06 | 1.92 | 10 | 20.38 | 11.65 | 3.68 | 10 | 13.72 | 5.42 | 1.71 |
| | 5 | 10 | 14.28 | 4.56 | 1.44 | 10 | 17.13 | 6.35 | 2.01 | 10 | 13.83 | 3.76 | 1.19 |
| | 6 | 10 | 12.56 | 2.78 | 0.88 | 10 | 10.17 | 2.43 | 0.77 | 10 | 8.37 | 3.42 | 1.08 |
| | 7 | 10 | 29.10 | 5.08 | 1.61 | 10 | 16.82 | 3.00 | 0.95 | 10 | 17.73 | 5.76 | 1.82 |
| | 8 | 10 | 0.17 | 0.24 | 0.08 | 10 | 0.03 | 0.07 | 0.02 | 10 | 23.77 | 74.89 | 23.68 |
| | 9 | 10 | 149.11 | 29.97 | 9.48 | 10 | 194.27 | 48.08 | 15.20 | 10 | 190.78 | 42.13 | 13.32 |
| | 1 | 10 | 46.89 | 15.76 | 4.98 | 10 | 73.85 | 19.12 | 6.05 | 10 | 64.98 | 25.81 | 8.16 |
| | 2 | 10 | 37.26 | 14.59 | 4.61 | 10 | 43.58 | 18.78 | 5.94 | 10 | 60.87 | 22.20 | 7.02 |
| | 3 | 10 | 35.00 | 14.73 | 4.66 | 10 | 39.33 | 22.60 | 7.15 | 10 | 37.38 | 17.74 | 5.61 |
| | 4 | 10 | 15.68 | 6.06 | 1.92 | 10 | 20.38 | 11.65 | 3.68 | 10 | 13.72 | 5.42 | 1.71 |
| | 5 | 10 | 14.28 | 4.56 | 1.44 | 10 | 17.13 | 6.35 | 2.01 | 10 | 13.83 | 3.76 | 1.19 |
| | 6 | 10 | 12.56 | 2.78 | 0.88 | 10 | 10.17 | 2.43 | 0.77 | 10 | 8.37 | 3.42 | 1.08 |
| | 7 | 10 | 29.10 | 5.08 | 1.61 | 10 | 16.82 | 3.00 | 0.95 | 10 | 17.73 | 5.76 | 1.82 |
| | 8 | 10 | 0.17 | 0.24 | 0.08 | 10 | 0.03 | 0.07 | 0.02 | 10 | 23.77 | 74.89 | 23.68 |
| | 9 | 10 | 149.11 | 29.97 | 9.48 | 10 | 194.27 | 48.08 | 15.20 | 10 | 190.78 | 42.13 | 13.32 |
| | 1 | 10 | 46.89 | 15.76 | 4.98 | 10 | 73.85 | 19.12 | 6.05 | 10 | 64.98 | 25.81 | 8.16 |
| | 2 | 10 | 37.26 | 14.59 | 4.61 | 10 | 43.58 | 18.78 | 5.94 | 10 | 60.87 | 22.20 | 7.02 |
| | 3 | 10 | 35.00 | 14.73 | 4.66 | 10 | 39.33 | 22.60 | 7.15 | 10 | 37.38 | 17.74 | 5.61 |
| | 4 | 10 | 15.68 | 6.06 | 1.92 | 10 | 20.38 | 11.65 | 3.68 | 10 | 13.72 | 5.42 | 1.71 |
| | 5 | 10 | 14.28 | 4.56 | 1.44 | 10 | 17.13 | 6.35 | 2.01 | 10 | 13.83 | 3.76 | 1.19 |
| | 6 | 10 | 12.56 | 2.78 | 0.88 | 10 | 10.17 | 2.43 | 0.77 | 10 | 8.37 | 3.42 | 1.08 |
| | 7 | 10 | 29.10 | 5.08 | 1.61 | 10 | 16.82 | 3.00 | 0.95 | 10 | 17.73 | 5.76 | 1.82 |
| | 8 | 10 | 0.17 | 0.24 | 0.08 | 10 | 0.03 | 0.07 | 0.02 | 10 | 23.77 | 74.89 | 23.68 |
| | 9 | 10 | 149.11 | 29.97 | 9.48 | 10 | 194.27 | 48.08 | 15.20 | 10 | 190.78 | 42.13 | 13.32 |
| | 1 | 10 | 46.89 | 15.76 | 4.98 | 10 | 73.85 | 19.12 | 6.05 | 10 | 64.98 | 25.81 | 8.16 |
| | 2 | 10 | 37.26 | 14.59 | 4.61 | 10 | 43.58 | 18.78 | 5.94 | 10 | 60.87 | 22.20 | 7.02 |
| | 3 | 10 | 35.00 | 14.73 | 4.66 | 10 | 39.33 | 22.60 | 7.15 | 10 | 37.38 | 17.74 | 5 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 122X DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|--------|-------|---------------|----|--------|---------------|-------|----|------------|--------|-------|---|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 71.12 | 22.85 | 7.23 | 10 | 76.16 | 33.02 | 10.44 | 10 | 57.48 | 27.37 | 8.66 | 3 | 68.25 | 9.67 | 5.58 |
| | 2 | 10 | 59.55 | 31.20 | 9.87 | 10 | 85.10 | 40.27 | 12.73 | 10 | 47.86 | 25.18 | 7.96 | 3 | 64.17 | 19.05 | 11.00 |
| | 3 | 10 | 38.08 | 16.63 | 5.26 | 10 | 56.15 | 15.43 | 4.88 | 10 | 53.78 | 31.91 | 10.09 | 3 | 49.34 | 9.82 | 5.67 |
| | 4 | 10 | 34.75 | 20.42 | 6.46 | 10 | 28.92 | 15.29 | 4.83 | 10 | 31.35 | 16.32 | 5.16 | 3 | 31.67 | 2.93 | 1.69 |
| | 5 | 10 | 33.73 | 17.86 | 5.65 | 10 | 24.51 | 13.17 | 4.17 | 10 | 23.13 | 6.28 | 1.99 | 3 | 27.12 | 5.76 | 3.33 |
| | 6 | 10 | 16.67 | 6.58 | 2.08 | 10 | 14.34 | 6.57 | 2.08 | 10 | 13.49 | 5.45 | 1.72 | 3 | 14.83 | 1.65 | 0.95 |
| | 7 | 10 | 31.21 | 8.81 | 2.79 | 10 | 23.55 | 10.69 | 3.38 | 10 | 26.12 | 9.01 | 2.85 | 3 | 26.96 | 3.90 | 2.25 |
| | 8 | 10 | 0.33 | 0.32 | 0.10 | 10 | 0.12 | 0.27 | 0.09 | 10 | 0.21 | 0.23 | 0.07 | 3 | 0.22 | 0.11 | 0.06 |
| | 9 | 10 | 237.22 | 64.69 | 20.46 | 10 | 270.84 | 34.05 | 10.77 | 10 | 213.60 | 52.09 | 16.47 | 3 | 240.55 | 28.76 | 16.61 |
| 90-Minute | 1 | 10 | 108.97 | 44.80 | 14.17 | 10 | 115.32 | 45.55 | 14.40 | 10 | 146.41 | 93.30 | 29.51 | 3 | 123.57 | 20.04 | 11.57 |
| | 2 | 10 | 48.05 | 23.68 | 7.49 | 10 | 73.46 | 22.01 | 6.96 | 10 | 106.85 | 29.16 | 9.22 | 3 | 76.12 | 29.49 | 17.02 |
| | 3 | 10 | 53.98 | 24.09 | 7.62 | 10 | 59.73 | 18.00 | 5.69 | 10 | 49.29 | 34.50 | 10.91 | 3 | 54.33 | 5.23 | 3.02 |
| | 4 | 10 | 28.59 | 11.35 | 3.59 | 10 | 28.07 | 8.17 | 2.58 | 10 | 21.41 | 10.27 | 3.25 | 3 | 26.02 | 4.01 | 2.31 |
| | 5 | 10 | 20.41 | 6.54 | 2.07 | 10 | 27.27 | 16.92 | 5.35 | 10 | 14.62 | 4.19 | 1.33 | 3 | 20.77 | 6.33 | 3.66 |
| | 6 | 10 | 15.43 | 7.74 | 2.45 | 10 | 17.09 | 9.48 | 3.00 | 10 | 10.75 | 5.36 | 1.70 | 3 | 14.43 | 3.29 | 1.90 |
| | 7 | 10 | 43.59 | 19.80 | 6.26 | 10 | 55.37 | 26.57 | 8.40 | 10 | 29.53 | 13.91 | 4.40 | 3 | 42.83 | 12.94 | 7.47 |
| | 8 | 10 | 1.13 | 0.99 | 0.31 | 10 | 1.55 | 1.04 | 0.33 | 10 | 1.45 | 1.73 | 0.55 | 3 | 1.38 | 0.22 | 0.13 |
| | 9 | 10 | 260.00 | 71.36 | 22.57 | 10 | 303.85 | 51.10 | 16.16 | 10 | 338.58 | 120.43 | 38.08 | 3 | 300.81 | 39.37 | 22.73 |
| 300-Minute | 1 | 10 | 68.08 | 28.47 | 9.00 | 10 | 68.60 | 41.15 | 13.01 | 10 | 64.05 | 34.42 | 10.88 | 3 | 66.91 | 2.49 | 1.44 |
| | 2 | 10 | 54.54 | 18.65 | 5.90 | 10 | 49.31 | 23.37 | 7.39 | 10 | 63.91 | 35.91 | 11.36 | 3 | 55.92 | 7.40 | 4.27 |
| | 3 | 10 | 51.40 | 28.75 | 9.09 | 10 | 40.80 | 14.49 | 4.58 | 10 | 36.30 | 12.22 | 3.86 | 3 | 42.83 | 7.75 | 4.48 |
| | 4 | 10 | 27.43 | 9.88 | 3.12 | 10 | 23.06 | 8.29 | 2.62 | 10 | 29.31 | 13.56 | 4.29 | 3 | 26.60 | 3.21 | 1.85 |
| | 5 | 10 | 20.64 | 10.21 | 3.23 | 10 | 16.65 | 4.18 | 1.32 | 10 | 21.29 | 5.79 | 1.83 | 3 | 19.53 | 2.51 | 1.45 |
| | 6 | 10 | 17.96 | 10.49 | 3.32 | 10 | 22.28 | 22.61 | 7.15 | 10 | 12.28 | 5.77 | 1.83 | 3 | 17.51 | 5.01 | 2.90 |
| | 7 | 10 | 35.44 | 22.28 | 7.05 | 10 | 29.02 | 10.05 | 3.18 | 10 | 34.10 | 25.81 | 8.16 | 3 | 32.86 | 3.39 | 1.95 |
| | 8 | 10 | 0.65 | 0.80 | 0.25 | 10 | 0.51 | 0.69 | 0.22 | 10 | 0.94 | 1.69 | 0.53 | 3 | 0.70 | 0.22 | 0.13 |
| | 9 | 10 | 222.09 | 56.39 | 17.83 | 10 | 198.42 | 75.07 | 23.74 | 10 | 214.86 | 64.33 | 20.34 | 3 | 211.79 | 12.13 | 7.00 |
| 600-Minute | 1 | 10 | 40.51 | 16.54 | 5.23 | 10 | 65.65 | 24.42 | 7.72 | 10 | 60.93 | 29.59 | 9.36 | 3 | 55.70 | 13.36 | 7.72 |
| | 2 | 10 | 32.34 | 12.61 | 3.99 | 10 | 35.07 | 17.59 | 5.56 | 10 | 51.88 | 21.92 | 6.93 | 3 | 39.76 | 10.58 | 6.11 |
| | 3 | 10 | 28.51 | 10.02 | 3.17 | 10 | 28.84 | 13.99 | 4.42 | 10 | 28.97 | 10.18 | 3.22 | 3 | 28.78 | 0.24 | 0.14 |
| | 4 | 10 | 14.00 | 5.85 | 1.85 | 10 | 17.31 | 9.70 | 3.07 | 10 | 8.89 | 1.85 | 0.58 | 3 | 13.40 | 4.24 | 2.45 |
| | 5 | 10 | 13.00 | 3.31 | 1.05 | 10 | 13.60 | 2.30 | 0.73 | 10 | 9.97 | 4.34 | 1.37 | 3 | 12.19 | 1.94 | 1.12 |
| | 6 | 10 | 9.89 | 2.79 | 0.88 | 10 | 9.01 | 2.78 | 0.88 | 10 | 6.61 | 3.05 | 0.96 | 3 | 8.50 | 1.70 | 0.98 |
| | 7 | 10 | 20.88 | 5.50 | 1.74 | 10 | 14.00 | 4.00 | 1.27 | 10 | 12.57 | 4.34 | 1.37 | 3 | 15.82 | 4.44 | 2.56 |
| | 8 | 10 | 0.15 | 0.19 | 0.06 | 10 | 0.02 | 0.05 | 0.02 | 10 | 20.61 | 65.16 | 20.61 | 3 | 6.92 | 11.85 | 6.84 |
| | 9 | 10 | 128.35 | 32.62 | 10.32 | 10 | 160.47 | 35.50 | 11.23 | 10 | 160.64 | 49.62 | 15.69 | 3 | 149.82 | 18.59 | 10.74 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
 TASK: 89-09
 DESCRIPTIVE STATISTICS FOR ANIMAL 122X DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
 CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 36.41 | 12.60 | 3.98 | 10 | 37.96 | 9.03 | 2.86 | 10 | 35.82 | 6.96 | 2.20 |
| | 2 | 10 | 26.27 | 7.40 | 2.34 | 10 | 23.18 | 9.11 | 2.88 | 10 | 20.95 | 7.51 | 2.37 |
| | 3 | 10 | 15.28 | 3.63 | 1.15 | 10 | 16.74 | 4.70 | 1.48 | 10 | 17.44 | 4.74 | 1.50 |
| | 4 | 10 | 10.46 | 4.40 | 1.39 | 10 | 10.98 | 4.97 | 1.57 | 10 | 12.99 | 3.25 | 1.03 |
| | 5 | 10 | 11.57 | 6.22 | 1.97 | 10 | 11.14 | 7.89 | 2.50 | 10 | 12.80 | 3.88 | 1.23 |
| 90-Minute | 1 | 10 | 36.15 | 14.78 | 4.67 | 10 | 43.01 | 21.41 | 6.77 | 10 | 33.75 | 13.40 | 4.24 |
| | 2 | 10 | 24.63 | 7.36 | 2.33 | 10 | 18.76 | 8.81 | 2.79 | 10 | 19.52 | 4.75 | 1.50 |
| | 3 | 10 | 13.09 | 5.46 | 1.73 | 10 | 14.31 | 5.95 | 1.88 | 10 | 16.36 | 5.71 | 1.81 |
| | 4 | 10 | 12.40 | 5.00 | 1.58 | 10 | 9.64 | 5.53 | 1.75 | 10 | 14.59 | 8.36 | 2.64 |
| | 5 | 10 | 13.74 | 9.83 | 3.11 | 10 | 14.28 | 10.01 | 3.17 | 10 | 15.78 | 5.05 | 1.60 |
| 300-Minute | 1 | 10 | 47.32 | 12.52 | 3.96 | 10 | 45.47 | 8.94 | 2.83 | 10 | 42.10 | 10.86 | 3.43 |
| | 2 | 10 | 22.91 | 7.35 | 2.32 | 10 | 23.26 | 10.11 | 3.20 | 10 | 25.32 | 7.50 | 2.37 |
| | 3 | 10 | 13.64 | 3.71 | 1.17 | 10 | 13.41 | 5.34 | 1.69 | 10 | 15.17 | 5.29 | 1.67 |
| | 4 | 10 | 7.80 | 3.76 | 1.19 | 10 | 7.24 | 4.47 | 1.41 | 10 | 8.50 | 3.93 | 1.24 |
| | 5 | 10 | 8.34 | 5.52 | 1.75 | 10 | 10.61 | 6.11 | 1.93 | 10 | 8.91 | 3.87 | 1.22 |
| 600-Minute | 1 | 10 | 41.22 | 10.52 | 3.33 | 10 | 49.27 | 12.59 | 3.98 | 10 | 45.38 | 10.30 | 3.26 |
| | 2 | 10 | 25.66 | 8.56 | 2.71 | 10 | 24.45 | 5.70 | 1.80 | 10 | 25.95 | 11.36 | 3.59 |
| | 3 | 10 | 13.53 | 3.62 | 1.15 | 10 | 11.17 | 5.47 | 1.73 | 10 | 13.14 | 4.57 | 1.45 |
| | 4 | 10 | 8.55 | 2.85 | 0.90 | 10 | 6.32 | 3.29 | 1.04 | 10 | 7.15 | 1.88 | 0.59 |
| | 5 | 10 | 11.03 | 4.39 | 1.39 | 10 | 8.79 | 4.26 | 1.35 | 10 | 8.38 | 4.93 | 1.56 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 122X DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 29.25 | 13.04 | 4.12 | 10 | 35.25 | 12.11 | 3.83 | 10 | 26.87 | 7.03 | 2.22 | 3 | 30.46 | 4.32 | 2.49 |
| | 2 | 10 | 22.68 | 4.06 | 1.28 | 10 | 22.95 | 10.25 | 3.24 | 10 | 29.67 | 7.58 | 2.40 | 3 | 25.10 | 3.96 | 2.29 |
| | 3 | 10 | 20.70 | 6.62 | 2.09 | 10 | 19.57 | 7.81 | 2.47 | 10 | 20.69 | 4.39 | 1.39 | 3 | 20.32 | 0.65 | 0.38 |
| | 4 | 10 | 14.79 | 6.46 | 2.04 | 10 | 10.55 | 3.31 | 1.05 | 10 | 12.36 | 5.88 | 1.86 | 3 | 12.57 | 2.13 | 1.23 |
| | 5 | 10 | 12.58 | 5.80 | 1.83 | 10 | 11.68 | 8.13 | 2.57 | 10 | 10.41 | 4.69 | 1.48 | 3 | 11.56 | 1.09 | 0.63 |
| 90-Minute | 1 | 10 | 34.32 | 10.34 | 3.27 | 10 | 42.87 | 11.23 | 3.55 | 10 | 35.75 | 9.35 | 2.96 | 3 | 37.65 | 4.58 | 2.64 |
| | 2 | 10 | 32.39 | 7.00 | 2.21 | 10 | 25.08 | 8.54 | 2.70 | 10 | 30.43 | 11.00 | 3.48 | 3 | 29.30 | 3.78 | 2.18 |
| | 3 | 10 | 15.17 | 5.78 | 1.83 | 10 | 17.45 | 7.33 | 2.32 | 10 | 14.76 | 5.38 | 1.70 | 3 | 15.79 | 1.45 | 0.84 |
| | 4 | 10 | 9.75 | 3.67 | 1.16 | 10 | 7.64 | 1.98 | 0.63 | 10 | 9.08 | 2.51 | 0.79 | 3 | 8.82 | 1.08 | 0.62 |
| | 5 | 10 | 8.37 | 3.37 | 1.07 | 10 | 6.96 | 2.70 | 0.85 | 10 | 9.98 | 2.65 | 0.84 | 3 | 8.44 | 1.51 | 0.87 |
| 300-Minute | 1 | 10 | 40.76 | 12.96 | 4.10 | 10 | 31.27 | 8.68 | 2.74 | 10 | 33.86 | 11.11 | 3.51 | 3 | 35.30 | 4.91 | 2.83 |
| | 2 | 10 | 25.95 | 8.45 | 2.67 | 10 | 25.35 | 10.91 | 3.45 | 10 | 30.29 | 10.53 | 3.33 | 3 | 27.20 | 2.69 | 1.55 |
| | 3 | 10 | 18.24 | 7.52 | 2.38 | 10 | 18.46 | 7.83 | 2.48 | 10 | 19.30 | 5.01 | 1.58 | 3 | 18.67 | 0.56 | 0.32 |
| | 4 | 10 | 8.11 | 3.69 | 1.17 | 10 | 12.20 | 4.83 | 1.53 | 10 | 7.90 | 2.98 | 0.94 | 3 | 9.40 | 2.42 | 1.40 |
| | 5 | 10 | 6.94 | 2.51 | 0.79 | 10 | 12.71 | 5.54 | 1.75 | 10 | 8.65 | 2.46 | 0.78 | 3 | 9.44 | 2.97 | 1.71 |
| 600-Minute | 1 | 10 | 31.10 | 11.38 | 3.60 | 10 | 40.22 | 11.74 | 3.71 | 10 | 39.67 | 9.58 | 3.03 | 3 | 37.00 | 5.12 | 2.95 |
| | 2 | 10 | 27.22 | 7.84 | 2.48 | 10 | 28.27 | 11.44 | 3.62 | 10 | 24.89 | 8.37 | 2.65 | 3 | 26.79 | 1.73 | 1.00 |
| | 3 | 10 | 18.01 | 4.51 | 1.43 | 10 | 14.51 | 7.60 | 2.40 | 10 | 18.16 | 6.61 | 2.09 | 3 | 16.89 | 2.06 | 1.19 |
| | 4 | 10 | 11.76 | 7.32 | 2.32 | 10 | 8.49 | 3.33 | 1.05 | 10 | 8.73 | 3.23 | 1.02 | 3 | 9.66 | 1.82 | 1.05 |
| | 5 | 10 | 11.91 | 6.10 | 1.93 | 10 | 8.50 | 2.80 | 0.88 | 10 | 8.55 | 3.95 | 1.25 | 3 | 9.65 | 1.95 | 1.13 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 122X DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | | Windows 11-20 | | | | Windows 21-30 | | | | Grand Mean | | S.E. | |
|------------|------------|--------------|-------|-------|------|---------------|-------|-------|------|---------------|-------|-------|------|------------|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | | Std. |
| Baseline | 1 | 10 | 35.08 | 7.77 | 2.46 | 10 | 27.63 | 8.97 | 2.84 | 10 | 37.51 | 12.88 | 4.07 | 3 | 33.41 | 5.15 | 2.97 |
| | 2 | 10 | 28.66 | 5.22 | 1.65 | 10 | 27.75 | 9.03 | 2.86 | 10 | 25.56 | 11.29 | 3.57 | 3 | 27.32 | 1.59 | 0.92 |
| | 3 | 10 | 18.43 | 3.66 | 1.16 | 10 | 22.32 | 8.34 | 2.64 | 10 | 15.31 | 3.81 | 1.20 | 3 | 18.68 | 3.51 | 2.03 |
| | 4 | 10 | 10.20 | 3.99 | 1.26 | 10 | 12.09 | 5.07 | 1.60 | 10 | 10.16 | 2.78 | 0.88 | 3 | 10.82 | 1.10 | 0.64 |
| | 5 | 10 | 7.63 | 2.71 | 0.86 | 10 | 10.21 | 3.97 | 1.25 | 10 | 11.46 | 6.53 | 2.06 | 3 | 9.77 | 1.95 | 1.13 |
| 90-Minute | 1 | 10 | 41.45 | 16.89 | 5.34 | 10 | 42.48 | 10.55 | 3.34 | 10 | 38.98 | 6.99 | 2.21 | 3 | 40.97 | 1.80 | 1.04 |
| | 2 | 10 | 29.77 | 8.76 | 2.77 | 10 | 21.30 | 6.90 | 2.18 | 10 | 22.16 | 3.44 | 1.09 | 3 | 24.41 | 4.66 | 2.69 |
| | 3 | 10 | 12.86 | 7.72 | 2.44 | 10 | 17.42 | 6.47 | 2.05 | 10 | 17.10 | 4.23 | 1.34 | 3 | 15.79 | 2.54 | 1.47 |
| | 4 | 10 | 7.29 | 4.66 | 1.47 | 10 | 8.25 | 2.11 | 0.67 | 10 | 9.88 | 2.87 | 0.91 | 3 | 8.47 | 1.31 | 0.75 |
| | 5 | 10 | 8.63 | 7.06 | 2.23 | 10 | 10.56 | 4.07 | 1.29 | 10 | 11.89 | 3.78 | 1.20 | 3 | 10.36 | 1.64 | 0.95 |
| 300-Minute | 1 | 10 | 38.84 | 15.19 | 4.80 | 10 | 41.63 | 12.37 | 3.91 | 10 | 41.73 | 12.63 | 3.99 | 3 | 40.73 | 1.64 | 0.95 |
| | 2 | 10 | 33.13 | 10.92 | 3.45 | 10 | 29.88 | 7.71 | 2.44 | 10 | 25.85 | 9.47 | 2.99 | 3 | 29.62 | 3.65 | 2.11 |
| | 3 | 10 | 14.86 | 6.31 | 1.99 | 10 | 13.75 | 4.42 | 1.40 | 10 | 15.30 | 6.15 | 1.95 | 3 | 14.64 | 0.80 | 0.46 |
| | 4 | 10 | 6.99 | 3.95 | 1.25 | 10 | 7.90 | 2.27 | 0.72 | 10 | 8.56 | 3.94 | 1.25 | 3 | 7.81 | 0.79 | 0.46 |
| | 5 | 10 | 6.18 | 3.39 | 1.07 | 10 | 6.85 | 2.91 | 0.92 | 10 | 8.56 | 3.55 | 1.12 | 3 | 7.20 | 1.23 | 0.71 |
| 600-Minute | 1 | 10 | 41.88 | 9.75 | 3.08 | 10 | 36.95 | 9.22 | 2.92 | 10 | 37.58 | 6.94 | 2.20 | 3 | 38.80 | 2.68 | 1.55 |
| | 2 | 10 | 23.90 | 6.85 | 2.17 | 10 | 25.00 | 7.18 | 2.27 | 10 | 34.80 | 5.99 | 1.89 | 3 | 27.90 | 6.00 | 3.46 |
| | 3 | 10 | 14.37 | 4.65 | 1.47 | 10 | 17.19 | 2.55 | 0.81 | 10 | 13.14 | 4.93 | 1.56 | 3 | 14.90 | 2.07 | 1.20 |
| | 4 | 10 | 9.21 | 4.24 | 1.34 | 10 | 9.16 | 3.41 | 1.08 | 10 | 6.62 | 2.82 | 0.89 | 3 | 8.33 | 1.48 | 0.86 |
| | 5 | 10 | 10.63 | 4.52 | 1.43 | 10 | 11.70 | 5.01 | 1.58 | 10 | 7.86 | 3.19 | 1.01 | 3 | 10.07 | 1.98 | 1.14 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 122X DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 32.08 | 6.51 | 2.06 | 10 | 27.98 | 15.07 | 4.77 | 10 | 33.80 | 9.66 | 3.05 | 3 | 31.29 | 2.99 | 1.73 |
| | 2 | 10 | 25.74 | 6.31 | 2.00 | 10 | 28.12 | 7.30 | 2.31 | 10 | 26.44 | 7.25 | 2.29 | 3 | 26.77 | 1.22 | 0.71 |
| | 3 | 10 | 21.12 | 6.04 | 1.91 | 10 | 22.34 | 12.51 | 3.96 | 10 | 17.37 | 5.70 | 1.80 | 3 | 20.28 | 2.59 | 1.50 |
| | 4 | 10 | 12.76 | 4.31 | 1.36 | 10 | 11.72 | 4.29 | 1.36 | 10 | 12.35 | 2.96 | 0.93 | 3 | 12.28 | 0.52 | 0.30 |
| | 5 | 10 | 8.30 | 2.53 | 0.80 | 10 | 9.85 | 4.50 | 1.42 | 10 | 10.04 | 4.75 | 1.50 | 3 | 9.39 | 0.96 | 0.55 |
| 90-Minute | 1 | 10 | 40.75 | 11.10 | 3.51 | 10 | 38.91 | 11.53 | 3.65 | 10 | 33.03 | 7.72 | 2.44 | 3 | 37.56 | 4.03 | 2.33 |
| | 2 | 10 | 26.47 | 10.64 | 3.37 | 10 | 19.00 | 6.71 | 2.12 | 10 | 21.49 | 5.16 | 1.63 | 3 | 22.32 | 3.81 | 2.20 |
| | 3 | 10 | 14.47 | 9.10 | 2.88 | 10 | 18.74 | 6.07 | 1.92 | 10 | 20.12 | 6.37 | 2.02 | 3 | 17.78 | 2.94 | 1.70 |
| | 4 | 10 | 9.71 | 4.67 | 1.48 | 10 | 11.32 | 4.86 | 1.54 | 10 | 11.59 | 2.79 | 0.88 | 3 | 10.88 | 1.02 | 0.59 |
| | 5 | 10 | 8.59 | 5.46 | 1.73 | 10 | 12.03 | 5.42 | 1.71 | 10 | 13.78 | 5.44 | 1.72 | 3 | 11.47 | 2.64 | 1.52 |
| 300-Minute | 1 | 10 | 41.34 | 8.43 | 2.67 | 10 | 43.57 | 10.96 | 3.47 | 10 | 41.72 | 10.48 | 3.32 | 3 | 42.21 | 1.19 | 0.69 |
| | 2 | 10 | 27.68 | 9.61 | 3.04 | 10 | 27.76 | 7.26 | 2.30 | 10 | 25.04 | 10.09 | 3.19 | 3 | 26.83 | 1.55 | 0.89 |
| | 3 | 10 | 15.25 | 4.75 | 1.50 | 10 | 13.03 | 4.04 | 1.28 | 10 | 14.42 | 2.21 | 0.70 | 3 | 14.23 | 1.12 | 0.65 |
| | 4 | 10 | 7.58 | 2.46 | 0.78 | 10 | 8.50 | 2.94 | 0.93 | 10 | 10.03 | 4.88 | 1.54 | 3 | 8.70 | 1.24 | 0.72 |
| | 5 | 10 | 8.15 | 4.83 | 1.53 | 10 | 7.14 | 2.97 | 0.94 | 10 | 8.79 | 4.57 | 1.45 | 3 | 8.03 | 0.83 | 0.48 |
| 600-Minute | 1 | 10 | 37.28 | 14.09 | 4.45 | 10 | 41.56 | 6.72 | 2.12 | 10 | 34.49 | 8.73 | 2.76 | 3 | 37.78 | 3.56 | 2.05 |
| | 2 | 10 | 25.01 | 9.70 | 3.07 | 10 | 24.40 | 5.56 | 1.76 | 10 | 36.83 | 10.71 | 3.39 | 3 | 28.75 | 7.01 | 4.05 |
| | 3 | 10 | 15.06 | 5.86 | 1.85 | 10 | 16.75 | 4.28 | 1.35 | 10 | 13.23 | 4.70 | 1.49 | 3 | 15.01 | 1.76 | 1.02 |
| | 4 | 10 | 12.35 | 6.93 | 2.19 | 10 | 8.25 | 2.32 | 0.73 | 10 | 7.36 | 2.78 | 0.88 | 3 | 9.32 | 2.66 | 1.53 |
| | 5 | 10 | 10.30 | 5.50 | 1.74 | 10 | 9.05 | 3.01 | 0.95 | 10 | 8.08 | 3.66 | 1.16 | 3 | 9.14 | 1.11 | 0.64 |

PARAMETER = Mean Frequency
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 1.91 | 0.28 | 0.09 | 10 | 2.09 | 0.20 | 0.06 | 10 | 2.11 | 0.38 | 0.12 | 3 | 2.04 | 0.11 | 0.06 |
| | 2 | 10 | 5.67 | 0.38 | 0.12 | 10 | 5.54 | 0.21 | 0.07 | 10 | 5.44 | 0.31 | 0.10 | 3 | 5.55 | 0.11 | 0.06 |
| | 3 | 10 | 9.91 | 0.48 | 0.15 | 10 | 9.98 | 0.47 | 0.15 | 10 | 9.97 | 0.32 | 0.10 | 3 | 9.95 | 0.04 | 0.02 |
| | 4 | 10 | 15.10 | 0.51 | 0.16 | 10 | 15.00 | 0.37 | 0.12 | 10 | 15.08 | 0.49 | 0.15 | 3 | 15.06 | 0.05 | 0.03 |
| | 5 | 10 | 21.03 | 0.37 | 0.12 | 10 | 21.19 | 0.52 | 0.17 | 10 | 21.27 | 0.44 | 0.14 | 3 | 21.16 | 0.12 | 0.07 |
| 90-Minute | 9 | 10 | 7.69 | 1.70 | 0.54 | 10 | 7.76 | 1.78 | 0.56 | 10 | 8.28 | 0.98 | 0.31 | 3 | 7.91 | 0.32 | 0.19 |
| | 1 | 10 | 2.11 | 0.26 | 0.08 | 10 | 2.03 | 0.27 | 0.09 | 10 | 1.98 | 0.28 | 0.09 | 3 | 2.04 | 0.07 | 0.04 |
| | 2 | 10 | 5.34 | 0.28 | 0.09 | 10 | 5.54 | 0.44 | 0.14 | 10 | 5.50 | 0.32 | 0.10 | 3 | 5.46 | 0.11 | 0.06 |
| | 3 | 10 | 10.13 | 0.48 | 0.15 | 10 | 9.91 | 0.36 | 0.11 | 10 | 10.01 | 0.22 | 0.07 | 3 | 10.02 | 0.11 | 0.06 |
| | 4 | 10 | 15.11 | 0.37 | 0.12 | 10 | 15.13 | 0.33 | 0.10 | 10 | 15.27 | 0.48 | 0.15 | 3 | 15.17 | 0.09 | 0.05 |
| 300-Minute | 5 | 10 | 20.86 | 0.52 | 0.16 | 10 | 21.19 | 0.38 | 0.12 | 10 | 21.16 | 0.55 | 0.17 | 3 | 21.07 | 0.18 | 0.10 |
| | 9 | 10 | 8.13 | 2.43 | 0.77 | 10 | 7.80 | 2.97 | 0.94 | 10 | 8.90 | 1.84 | 0.58 | 3 | 8.28 | 0.56 | 0.33 |
| | 1 | 10 | 2.01 | 0.21 | 0.07 | 10 | 1.90 | 0.26 | 0.08 | 10 | 1.96 | 0.27 | 0.08 | 3 | 1.96 | 0.06 | 0.03 |
| | 2 | 10 | 5.60 | 0.21 | 0.07 | 10 | 5.50 | 0.28 | 0.09 | 10 | 5.40 | 0.34 | 0.11 | 3 | 5.50 | 0.10 | 0.06 |
| | 3 | 10 | 10.01 | 0.23 | 0.07 | 10 | 9.91 | 0.57 | 0.18 | 10 | 9.93 | 0.38 | 0.12 | 3 | 9.95 | 0.05 | 0.03 |
| 600-Minute | 4 | 10 | 15.31 | 0.34 | 0.11 | 10 | 15.17 | 0.30 | 0.09 | 10 | 15.09 | 0.30 | 0.09 | 3 | 15.19 | 0.11 | 0.06 |
| | 5 | 10 | 20.98 | 0.47 | 0.15 | 10 | 21.33 | 0.58 | 0.18 | 10 | 20.98 | 0.51 | 0.16 | 3 | 21.10 | 0.20 | 0.12 |
| | 9 | 10 | 6.55 | 1.48 | 0.47 | 10 | 6.80 | 1.37 | 0.43 | 10 | 6.83 | 1.26 | 0.40 | 3 | 6.73 | 0.16 | 0.09 |
| | 1 | 10 | 2.00 | 0.26 | 0.08 | 10 | 1.87 | 0.27 | 0.08 | 10 | 2.22 | 0.40 | 0.13 | 3 | 2.03 | 0.18 | 0.10 |
| | 2 | 10 | 5.43 | 0.35 | 0.11 | 10 | 5.44 | 0.34 | 0.11 | 10 | 5.61 | 0.36 | 0.11 | 3 | 5.49 | 0.10 | 0.06 |
| | 3 | 10 | 10.00 | 0.30 | 0.10 | 10 | 9.81 | 0.21 | 0.07 | 10 | 9.82 | 0.37 | 0.12 | 3 | 9.87 | 0.11 | 0.06 |
| | 4 | 10 | 15.32 | 0.41 | 0.13 | 10 | 15.24 | 0.42 | 0.13 | 10 | 15.26 | 0.52 | 0.17 | 3 | 15.27 | 0.04 | 0.02 |
| | 5 | 10 | 21.15 | 0.39 | 0.12 | 10 | 21.19 | 0.51 | 0.16 | 10 | 20.94 | 0.54 | 0.17 | 3 | 21.09 | 0.13 | 0.08 |
| | 9 | 10 | 7.19 | 1.11 | 0.35 | 10 | 6.15 | 1.45 | 0.46 | 10 | 6.58 | 1.14 | 0.36 | 3 | 6.64 | 0.52 | 0.30 |

PARAMETER = Mean Frequency
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 2.10 | 0.25 | 0.08 | 10 | 2.23 | 0.24 | 0.08 | 10 | 2.06 | 0.22 | 0.07 | 3 | 2.13 | 0.09 | 0.05 |
| | 2 | 10 | 5.62 | 0.31 | 0.10 | 10 | 5.77 | 0.30 | 0.09 | 10 | 5.68 | 0.36 | 0.11 | 3 | 5.69 | 0.08 | 0.04 |
| | 3 | 10 | 10.08 | 0.42 | 0.13 | 10 | 9.91 | 0.53 | 0.17 | 10 | 9.97 | 0.53 | 0.17 | 3 | 9.99 | 0.08 | 0.05 |
| | 4 | 10 | 15.04 | 0.50 | 0.16 | 10 | 15.12 | 0.53 | 0.17 | 10 | 15.09 | 0.29 | 0.09 | 3 | 15.08 | 0.04 | 0.03 |
| | 5 | 10 | 20.80 | 0.37 | 0.12 | 10 | 20.90 | 0.54 | 0.17 | 10 | 20.91 | 0.33 | 0.11 | 3 | 20.87 | 0.06 | 0.03 |
| 90-Minute | 9 | 10 | 8.78 | 1.62 | 0.51 | 10 | 8.05 | 1.45 | 0.46 | 10 | 8.35 | 1.26 | 0.40 | 3 | 8.40 | 0.37 | 0.21 |
| | 1 | 10 | 2.12 | 0.14 | 0.04 | 10 | 2.24 | 0.30 | 0.09 | 10 | 2.32 | 0.14 | 0.05 | 3 | 2.23 | 0.10 | 0.06 |
| | 2 | 10 | 5.54 | 0.36 | 0.11 | 10 | 5.49 | 0.32 | 0.10 | 10 | 5.34 | 0.32 | 0.10 | 3 | 5.46 | 0.11 | 0.06 |
| | 3 | 10 | 9.87 | 0.33 | 0.10 | 10 | 9.99 | 0.43 | 0.14 | 10 | 9.91 | 0.22 | 0.07 | 3 | 9.92 | 0.06 | 0.03 |
| | 4 | 10 | 14.93 | 0.55 | 0.18 | 10 | 14.84 | 0.38 | 0.12 | 10 | 15.26 | 0.37 | 0.12 | 3 | 15.01 | 0.22 | 0.13 |
| 300-Minute | 5 | 10 | 20.98 | 0.49 | 0.16 | 10 | 20.98 | 0.55 | 0.17 | 10 | 21.09 | 0.45 | 0.14 | 3 | 21.02 | 0.06 | 0.03 |
| | 9 | 10 | 7.24 | 1.22 | 0.38 | 10 | 6.69 | 0.84 | 0.26 | 10 | 7.41 | 0.81 | 0.26 | 3 | 7.12 | 0.38 | 0.22 |
| | 1 | 10 | 2.14 | 0.33 | 0.10 | 10 | 2.08 | 0.28 | 0.09 | 10 | 2.17 | 0.36 | 0.11 | 3 | 2.13 | 0.04 | 0.02 |
| | 2 | 10 | 5.61 | 0.36 | 0.11 | 10 | 5.62 | 0.27 | 0.09 | 10 | 5.56 | 0.42 | 0.13 | 3 | 5.60 | 0.04 | 0.02 |
| | 3 | 10 | 10.04 | 0.37 | 0.12 | 10 | 10.10 | 0.37 | 0.12 | 10 | 9.90 | 0.45 | 0.14 | 3 | 10.01 | 0.10 | 0.06 |
| 600-Minute | 4 | 10 | 15.11 | 0.35 | 0.11 | 10 | 15.21 | 0.26 | 0.08 | 10 | 15.18 | 0.42 | 0.13 | 3 | 15.17 | 0.05 | 0.03 |
| | 5 | 10 | 21.15 | 0.42 | 0.13 | 10 | 21.37 | 0.65 | 0.21 | 10 | 20.92 | 0.40 | 0.13 | 3 | 21.15 | 0.23 | 0.13 |
| | 9 | 10 | 6.82 | 1.34 | 0.42 | 10 | 8.53 | 1.67 | 0.53 | 10 | 7.30 | 0.87 | 0.27 | 3 | 7.55 | 0.88 | 0.51 |
| | 1 | 10 | 2.32 | 0.41 | 0.13 | 10 | 2.02 | 0.25 | 0.08 | 10 | 2.26 | 0.29 | 0.09 | 3 | 2.20 | 0.16 | 0.09 |
| | 2 | 10 | 5.48 | 0.35 | 0.11 | 10 | 5.50 | 0.30 | 0.09 | 10 | 5.50 | 0.59 | 0.19 | 3 | 5.49 | 0.01 | 0.01 |
| | 3 | 10 | 9.85 | 0.39 | 0.12 | 10 | 10.12 | 0.53 | 0.17 | 10 | 10.01 | 0.29 | 0.09 | 3 | 9.99 | 0.14 | 0.08 |
| | 4 | 10 | 15.11 | 0.34 | 0.11 | 10 | 15.00 | 0.51 | 0.16 | 10 | 15.16 | 0.38 | 0.12 | 3 | 15.09 | 0.08 | 0.05 |
| | 5 | 10 | 20.95 | 0.41 | 0.13 | 10 | 21.00 | 0.36 | 0.11 | 10 | 20.93 | 0.59 | 0.19 | 3 | 20.96 | 0.04 | 0.02 |
| | 9 | 10 | 8.23 | 1.92 | 0.61 | 10 | 6.85 | 0.95 | 0.30 | 10 | 7.18 | 1.16 | 0.37 | 3 | 7.42 | 0.72 | 0.41 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 122X DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 2.12 | 0.18 | 0.06 | 10 | 2.36 | 0.25 | 0.08 | 10 | 2.22 | 0.13 | 0.04 |
| | 2 | 10 | 5.46 | 0.35 | 0.11 | 10 | 5.64 | 0.44 | 0.14 | 10 | 5.59 | 0.22 | 0.07 |
| | 3 | 10 | 10.25 | 0.49 | 0.16 | 10 | 10.12 | 0.39 | 0.12 | 10 | 10.13 | 0.43 | 0.14 |
| | 4 | 10 | 14.83 | 0.41 | 0.13 | 10 | 14.91 | 0.33 | 0.10 | 10 | 14.98 | 0.56 | 0.18 |
| | 5 | 10 | 21.26 | 0.67 | 0.21 | 10 | 20.90 | 0.37 | 0.12 | 10 | 21.12 | 0.64 | 0.20 |
| 90-Minute | 9 | 10 | 7.32 | 0.88 | 0.28 | 10 | 8.40 | 1.25 | 0.39 | 10 | 7.74 | 1.13 | 0.36 |
| | 1 | 10 | 2.21 | 0.12 | 0.04 | 10 | 2.38 | 0.27 | 0.09 | 10 | 2.14 | 0.23 | 0.07 |
| | 2 | 10 | 5.43 | 0.28 | 0.09 | 10 | 5.44 | 0.44 | 0.14 | 10 | 5.49 | 0.41 | 0.13 |
| | 3 | 10 | 9.97 | 0.32 | 0.10 | 10 | 10.02 | 0.35 | 0.11 | 10 | 10.19 | 0.42 | 0.13 |
| | 4 | 10 | 15.01 | 0.50 | 0.16 | 10 | 15.25 | 0.41 | 0.13 | 10 | 15.11 | 0.42 | 0.13 |
| 300-Minute | 5 | 10 | 20.77 | 0.46 | 0.14 | 10 | 21.55 | 0.39 | 0.12 | 10 | 20.91 | 0.25 | 0.08 |
| | 9 | 10 | 6.70 | 2.38 | 0.75 | 10 | 7.45 | 0.91 | 0.29 | 10 | 7.78 | 0.77 | 0.24 |
| | 1 | 10 | 2.26 | 0.30 | 0.09 | 10 | 2.18 | 0.25 | 0.08 | 10 | 2.16 | 0.25 | 0.08 |
| | 2 | 10 | 5.54 | 0.27 | 0.08 | 10 | 5.55 | 0.39 | 0.12 | 10 | 5.52 | 0.44 | 0.14 |
| | 3 | 10 | 9.95 | 0.30 | 0.10 | 10 | 10.10 | 0.33 | 0.11 | 10 | 10.04 | 0.43 | 0.14 |
| 600-Minute | 4 | 10 | 14.98 | 0.31 | 0.10 | 10 | 14.91 | 0.42 | 0.13 | 10 | 14.99 | 0.29 | 0.09 |
| | 5 | 10 | 21.01 | 0.63 | 0.20 | 10 | 21.17 | 0.33 | 0.10 | 10 | 21.09 | 0.39 | 0.12 |
| | 9 | 10 | 6.51 | 1.31 | 0.42 | 10 | 6.57 | 1.02 | 0.32 | 10 | 6.94 | 1.26 | 0.40 |
| | 1 | 10 | 2.21 | 0.25 | 0.08 | 10 | 2.29 | 0.24 | 0.08 | 10 | 2.26 | 0.27 | 0.08 |
| | 2 | 10 | 5.53 | 0.39 | 0.12 | 10 | 5.49 | 0.32 | 0.10 | 10 | 5.33 | 0.25 | 0.08 |
| | 3 | 10 | 9.85 | 0.30 | 0.10 | 10 | 9.90 | 0.44 | 0.14 | 10 | 9.76 | 0.41 | 0.13 |
| | 4 | 10 | 15.12 | 0.27 | 0.09 | 10 | 14.98 | 0.45 | 0.14 | 10 | 15.02 | 0.48 | 0.15 |
| | 5 | 10 | 21.45 | 0.62 | 0.20 | 10 | 21.23 | 0.56 | 0.18 | 10 | 21.24 | 0.55 | 0.17 |
| | 9 | 10 | 7.32 | 1.42 | 0.45 | 10 | 7.77 | 1.12 | 0.36 | 10 | 6.65 | 0.96 | 0.30 |
| | | | | | | | | | | | | | |
| | 1 | 10 | 2.21 | 0.12 | 0.04 | 10 | 2.24 | 0.23 | 0.07 | 10 | 2.24 | 0.12 | 0.07 |
| | 2 | 10 | 5.45 | 0.09 | 0.03 | 10 | 5.45 | 0.09 | 0.03 | 10 | 5.45 | 0.09 | 0.03 |
| | 3 | 10 | 10.17 | 0.07 | 0.04 | 10 | 10.17 | 0.07 | 0.04 | 10 | 10.17 | 0.07 | 0.04 |
| | 4 | 10 | 14.91 | 0.08 | 0.04 | 10 | 14.91 | 0.08 | 0.04 | 10 | 14.91 | 0.08 | 0.04 |
| | 5 | 10 | 21.09 | 0.18 | 0.10 | 10 | 21.09 | 0.18 | 0.10 | 10 | 21.09 | 0.18 | 0.10 |
| | 9 | 10 | 7.82 | 0.54 | 0.31 | 10 | 7.82 | 0.54 | 0.31 | 10 | 7.82 | 0.54 | 0.31 |
| | 1 | 10 | 2.20 | 0.05 | 0.03 | 10 | 2.20 | 0.05 | 0.03 | 10 | 2.20 | 0.05 | 0.03 |
| | 2 | 10 | 5.54 | 0.01 | 0.01 | 10 | 5.54 | 0.01 | 0.01 | 10 | 5.54 | 0.01 | 0.01 |
| | 3 | 10 | 10.03 | 0.07 | 0.04 | 10 | 10.03 | 0.07 | 0.04 | 10 | 10.03 | 0.07 | 0.04 |
| | 4 | 10 | 14.96 | 0.04 | 0.02 | 10 | 14.96 | 0.04 | 0.02 | 10 | 14.96 | 0.04 | 0.02 |
| | 5 | 10 | 21.09 | 0.08 | 0.05 | 10 | 21.09 | 0.08 | 0.05 | 10 | 21.09 | 0.08 | 0.05 |
| | 9 | 10 | 6.67 | 0.24 | 0.14 | 10 | 6.67 | 0.24 | 0.14 | 10 | 6.67 | 0.24 | 0.14 |
| | 1 | 10 | 2.25 | 0.04 | 0.02 | 10 | 2.25 | 0.04 | 0.02 | 10 | 2.25 | 0.04 | 0.02 |
| | 2 | 10 | 5.45 | 0.11 | 0.06 | 10 | 5.45 | 0.11 | 0.06 | 10 | 5.45 | 0.11 | 0.06 |
| | 3 | 10 | 9.84 | 0.07 | 0.04 | 10 | 9.84 | 0.07 | 0.04 | 10 | 9.84 | 0.07 | 0.04 |
| | 4 | 10 | 15.04 | 0.07 | 0.04 | 10 | 15.04 | 0.07 | 0.04 | 10 | 15.04 | 0.07 | 0.04 |
| | 5 | 10 | 21.31 | 0.13 | 0.07 | 10 | 21.31 | 0.13 | 0.07 | 10 | 21.31 | 0.13 | 0.07 |
| | 9 | 10 | 7.25 | 0.56 | 0.32 | 10 | 7.25 | 0.56 | 0.32 | 10 | 7.25 | 0.56 | 0.32 |
| | 1 | 10 | 2.25 | 0.04 | 0.02 | 10 | 2.25 | 0.04 | 0.02 | 10 | 2.25 | 0.04 | 0.02 |
| | 2 | 10 | 5.45 | 0.11 | 0.06 | 10 | 5.45 | 0.11 | 0.06 | 10 | 5.45 | 0.11 | 0.06 |

PARAMETER = Mean Frequency
CHANNEL = 4

PARAMETER = Peak Frequency
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 6 | 2.58 | 1.02 | 0.42 | 10 | 2.35 | 0.78 | 0.25 | 7 | 2.50 | 0.76 | 0.29 | 3 | 2.48 | 0.12 | 0.07 |
| | 2 | 10 | 5.70 | 0.82 | 0.26 | 10 | 5.85 | 1.18 | 0.37 | 10 | 5.90 | 1.02 | 0.32 | 3 | 5.82 | 0.10 | 0.06 |
| | 3 | 10 | 9.80 | 1.34 | 0.42 | 10 | 9.90 | 1.13 | 0.36 | 8 | 9.94 | 0.90 | 0.32 | 3 | 9.88 | 0.07 | 0.04 |
| | 4 | 10 | 15.15 | 1.31 | 0.42 | 8 | 15.56 | 1.40 | 0.49 | 9 | 15.50 | 1.30 | 0.43 | 3 | 15.40 | 0.22 | 0.13 |
| | 5 | 10 | 21.40 | 1.56 | 0.49 | 10 | 21.05 | 1.46 | 0.46 | 10 | 21.50 | 2.04 | 0.65 | 3 | 21.32 | 0.24 | 0.14 |
| 90-Minute | 9 | 10 | 4.40 | 2.42 | 0.77 | 10 | 2.75 | 1.38 | 0.44 | 10 | 3.15 | 1.23 | 0.39 | 3 | 3.43 | 0.86 | 0.50 |
| | 1 | 7 | 2.21 | 0.70 | 0.26 | 9 | 2.17 | 0.71 | 0.24 | 7 | 2.43 | 0.73 | 0.28 | 3 | 2.27 | 0.14 | 0.08 |
| | 2 | 10 | 5.95 | 0.83 | 0.26 | 9 | 5.83 | 1.20 | 0.40 | 9 | 5.78 | 1.44 | 0.48 | 3 | 5.85 | 0.09 | 0.05 |
| | 3 | 10 | 11.00 | 1.22 | 0.39 | 9 | 10.39 | 1.45 | 0.48 | 10 | 10.05 | 1.01 | 0.32 | 3 | 10.48 | 0.48 | 0.28 |
| | 4 | 10 | 15.75 | 1.16 | 0.37 | 10 | 15.35 | 1.27 | 0.40 | 10 | 15.80 | 1.21 | 0.38 | 3 | 15.63 | 0.25 | 0.14 |
| 300-Minute | 5 | 10 | 20.90 | 1.98 | 0.63 | 10 | 21.70 | 2.06 | 0.65 | 10 | 21.50 | 1.83 | 0.58 | 3 | 21.37 | 0.42 | 0.24 |
| | 9 | 10 | 5.60 | 6.26 | 1.98 | 10 | 2.80 | 1.42 | 0.45 | 10 | 4.55 | 3.70 | 1.17 | 3 | 4.32 | 1.41 | 0.82 |
| | 1 | 8 | 1.62 | 0.35 | 0.13 | 8 | 2.00 | 0.65 | 0.23 | 6 | 1.83 | 0.82 | 0.33 | 3 | 1.82 | 0.19 | 0.11 |
| | 2 | 10 | 5.75 | 0.68 | 0.21 | 9 | 5.67 | 1.00 | 0.33 | 10 | 5.20 | 0.75 | 0.24 | 3 | 5.54 | 0.30 | 0.17 |
| | 3 | 10 | 10.35 | 1.25 | 0.39 | 10 | 10.00 | 1.31 | 0.41 | 10 | 10.20 | 1.38 | 0.44 | 3 | 10.18 | 0.18 | 0.10 |
| 600-Minute | 4 | 9 | 15.83 | 1.46 | 0.49 | 9 | 15.06 | 1.31 | 0.44 | 10 | 14.60 | 0.91 | 0.29 | 3 | 15.16 | 0.62 | 0.36 |
| | 5 | 10 | 21.45 | 1.85 | 0.58 | 10 | 21.30 | 1.57 | 0.50 | 10 | 21.20 | 2.24 | 0.71 | 3 | 21.32 | 0.13 | 0.07 |
| | 9 | 10 | 4.05 | 5.34 | 1.69 | 10 | 3.20 | 2.41 | 0.76 | 10 | 3.50 | 2.83 | 0.89 | 3 | 3.58 | 0.43 | 0.25 |
| | 1 | 8 | 2.00 | 0.60 | 0.21 | 7 | 2.21 | 0.64 | 0.24 | 9 | 2.83 | 0.75 | 0.25 | 3 | 2.35 | 0.43 | 0.25 |
| | 2 | 9 | 5.78 | 1.06 | 0.35 | 10 | 5.75 | 1.06 | 0.34 | 9 | 5.94 | 0.92 | 0.31 | 3 | 5.82 | 0.11 | 0.06 |
| | 3 | 10 | 11.00 | 1.33 | 0.42 | 10 | 9.45 | 0.98 | 0.31 | 10 | 10.90 | 0.88 | 0.28 | 3 | 10.45 | 0.87 | 0.50 |
| | 4 | 9 | 15.11 | 1.34 | 0.45 | 10 | 15.65 | 1.53 | 0.48 | 10 | 16.05 | 1.36 | 0.43 | 3 | 15.60 | 0.47 | 0.27 |
| | 5 | 10 | 22.50 | 1.72 | 0.54 | 9 | 21.61 | 2.07 | 0.69 | 10 | 20.65 | 1.76 | 0.56 | 3 | 21.59 | 0.93 | 0.53 |
| | 9 | 10 | 2.85 | 1.42 | 0.45 | 10 | 4.05 | 2.19 | 0.69 | 10 | 3.85 | 2.17 | 0.69 | 3 | 3.58 | 0.64 | 0.37 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 122X DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 7 | 1.93 | 0.35 | 0.13 | 10 | 2.40 | 0.66 | 0.21 | 10 | 2.25 | 0.79 | 0.25 |
| | 2 | 10 | 5.95 | 0.86 | 0.27 | 9 | 6.11 | 0.78 | 0.26 | 10 | 5.70 | 0.92 | 0.29 |
| | 3 | 10 | 10.35 | 1.31 | 0.42 | 10 | 10.55 | 1.07 | 0.34 | 9 | 10.33 | 1.06 | 0.35 |
| | 4 | 10 | 15.55 | 1.40 | 0.44 | 9 | 15.56 | 0.85 | 0.28 | 8 | 15.50 | 1.07 | 0.38 |
| | 5 | 10 | 20.70 | 1.14 | 0.36 | 10 | 21.65 | 1.56 | 0.49 | 10 | 21.30 | 1.83 | 0.58 |
| | 9 | 10 | 4.15 | 2.82 | 0.89 | 10 | 3.90 | 2.40 | 0.76 | 10 | 4.80 | 2.14 | 0.68 |
| 90-Minute | 1 | 9 | 2.22 | 0.79 | 0.26 | 9 | 2.56 | 0.77 | 0.26 | 10 | 2.30 | 0.59 | 0.19 |
| | 2 | 10 | 6.10 | 0.61 | 0.19 | 10 | 5.70 | 1.16 | 0.37 | 9 | 5.56 | 0.81 | 0.27 |
| | 3 | 10 | 10.25 | 1.34 | 0.42 | 10 | 10.25 | 0.95 | 0.30 | 10 | 10.20 | 1.03 | 0.33 |
| | 4 | 10 | 14.60 | 1.05 | 0.33 | 10 | 15.00 | 1.25 | 0.39 | 10 | 15.45 | 1.21 | 0.38 |
| | 5 | 10 | 21.50 | 1.73 | 0.55 | 10 | 22.05 | 1.94 | 0.61 | 10 | 20.95 | 1.72 | 0.54 |
| | 9 | 10 | 3.75 | 1.78 | 0.56 | 10 | 2.90 | 1.10 | 0.35 | 10 | 3.30 | 1.67 | 0.53 |
| 300-Minute | 1 | 10 | 2.25 | 0.68 | 0.21 | 9 | 2.00 | 0.79 | 0.26 | 10 | 2.25 | 0.89 | 0.28 |
| | 2 | 10 | 5.95 | 1.12 | 0.35 | 10 | 6.05 | 1.09 | 0.35 | 10 | 5.60 | 0.77 | 0.24 |
| | 3 | 10 | 11.10 | 0.70 | 0.22 | 10 | 10.45 | 1.55 | 0.49 | 10 | 10.70 | 1.14 | 0.36 |
| | 4 | 10 | 15.35 | 0.94 | 0.30 | 10 | 15.55 | 1.30 | 0.41 | 9 | 16.11 | 0.99 | 0.33 |
| | 5 | 10 | 21.95 | 1.74 | 0.55 | 10 | 22.10 | 2.01 | 0.64 | 10 | 22.25 | 1.84 | 0.58 |
| | 9 | 10 | 3.00 | 2.07 | 0.65 | 10 | 3.40 | 2.17 | 0.69 | 10 | 3.25 | 1.42 | 0.45 |
| 600-Minute | 1 | 8 | 2.56 | 0.82 | 0.29 | 9 | 2.33 | 0.83 | 0.28 | 9 | 2.50 | 0.79 | 0.26 |
| | 2 | 9 | 6.06 | 1.04 | 0.35 | 10 | 5.60 | 0.97 | 0.31 | 8 | 6.06 | 1.32 | 0.47 |
| | 3 | 10 | 10.45 | 1.09 | 0.35 | 10 | 10.55 | 1.21 | 0.38 | 10 | 10.15 | 1.31 | 0.42 |
| | 4 | 10 | 14.90 | 1.15 | 0.36 | 9 | 15.39 | 1.45 | 0.48 | 10 | 15.92 | 1.44 | 0.46 |
| | 5 | 10 | 22.40 | 2.27 | 0.72 | 10 | 21.10 | 1.78 | 0.56 | 10 | 21.00 | 1.83 | 0.58 |
| | 9 | 10 | 3.50 | 1.91 | 0.61 | 10 | 4.10 | 2.56 | 0.81 | 10 | 4.30 | 3.22 | 1.02 |
| | 1 | 3 | 2.47 | 0.12 | 0.07 | 3 | 2.47 | 0.12 | 0.07 | 3 | 2.47 | 0.12 | 0.07 |
| | 2 | 3 | 5.91 | 0.27 | 0.15 | 3 | 5.91 | 0.27 | 0.15 | 3 | 5.91 | 0.27 | 0.15 |
| | 3 | 3 | 10.38 | 0.21 | 0.12 | 3 | 10.38 | 0.21 | 0.12 | 3 | 10.38 | 0.21 | 0.12 |
| | 4 | 3 | 15.40 | 0.51 | 0.30 | 3 | 15.40 | 0.51 | 0.30 | 3 | 15.40 | 0.51 | 0.30 |
| | 5 | 3 | 21.50 | 0.78 | 0.45 | 3 | 21.50 | 0.78 | 0.45 | 3 | 21.50 | 0.78 | 0.45 |
| | 9 | 3 | 3.97 | 0.42 | 0.24 | 3 | 3.97 | 0.42 | 0.24 | 3 | 3.97 | 0.42 | 0.24 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 122X DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|--------|--------|---------------|----|--------|---------------|-------|----|------------|--------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 125.94 | 59.38 | 18.78 | 10 | 115.17 | 47.91 | 15.15 | 10 | 123.20 | 66.69 | 21.09 |
| | 2 | 10 | 100.21 | 43.06 | 13.62 | 10 | 116.35 | 47.64 | 15.06 | 10 | 79.41 | 38.57 | 12.20 |
| | 3 | 10 | 67.78 | 36.30 | 11.48 | 10 | 96.72 | 56.33 | 17.81 | 10 | 49.31 | 21.90 | 6.93 |
| | 4 | 10 | 36.68 | 23.00 | 7.27 | 10 | 48.88 | 20.22 | 6.39 | 10 | 32.00 | 12.11 | 3.83 |
| | 5 | 10 | 25.46 | 8.36 | 2.64 | 10 | 39.99 | 10.08 | 3.19 | 10 | 33.97 | 15.81 | 5.00 |
| | 6 | 10 | 17.78 | 9.86 | 3.12 | 10 | 19.64 | 6.37 | 2.02 | 10 | 19.35 | 6.01 | 1.90 |
| | 7 | 10 | 27.89 | 7.02 | 2.22 | 10 | 33.31 | 6.21 | 1.96 | 10 | 29.36 | 6.13 | 1.94 |
| | 8 | 10 | 0.10 | 0.20 | 0.06 | 10 | 0.18 | 0.31 | 0.10 | 10 | 0.08 | 0.16 | 0.05 |
| | 9 | 10 | 356.06 | 145.80 | 46.11 | 10 | 417.11 | 103.36 | 32.68 | 10 | 317.89 | 95.06 | 30.06 |
| 90-Minute | 1 | 10 | 286.26 | 277.42 | 87.73 | 10 | 214.13 | 100.43 | 31.76 | 10 | 204.57 | 78.50 | 24.82 |
| | 2 | 10 | 169.33 | 94.67 | 29.94 | 10 | 100.66 | 35.87 | 11.34 | 10 | 112.05 | 23.86 | 7.55 |
| | 3 | 10 | 55.81 | 16.96 | 5.36 | 10 | 87.83 | 46.93 | 14.84 | 10 | 85.72 | 20.72 | 6.55 |
| | 4 | 10 | 30.60 | 8.57 | 2.71 | 10 | 39.14 | 13.06 | 4.13 | 10 | 48.95 | 13.70 | 4.33 |
| | 5 | 10 | 31.49 | 16.67 | 5.27 | 10 | 49.11 | 19.09 | 6.04 | 10 | 60.04 | 17.66 | 5.58 |
| | 6 | 10 | 14.97 | 4.90 | 1.55 | 10 | 22.77 | 9.43 | 2.98 | 10 | 27.48 | 11.80 | 3.73 |
| | 7 | 10 | 40.93 | 17.90 | 5.66 | 10 | 59.80 | 19.88 | 6.29 | 10 | 77.98 | 32.45 | 10.26 |
| | 8 | 10 | 0.27 | 0.43 | 0.14 | 10 | 0.42 | 0.56 | 0.18 | 10 | 1.18 | 0.98 | 0.31 |
| | 9 | 10 | 573.49 | 340.32 | 107.62 | 10 | 490.87 | 156.47 | 49.48 | 10 | 511.34 | 112.21 | 35.48 |
| 300-Minute | 1 | 10 | 142.53 | 83.69 | 26.46 | 10 | 234.05 | 93.20 | 29.47 | 10 | 175.03 | 55.03 | 17.40 |
| | 2 | 10 | 116.03 | 52.79 | 16.69 | 10 | 164.03 | 45.75 | 14.47 | 10 | 112.73 | 62.72 | 19.83 |
| | 3 | 10 | 48.38 | 16.42 | 5.19 | 10 | 78.12 | 32.13 | 10.16 | 10 | 67.57 | 40.74 | 12.88 |
| | 4 | 10 | 22.76 | 10.66 | 3.37 | 10 | 42.82 | 11.28 | 3.57 | 10 | 34.29 | 13.53 | 4.28 |
| | 5 | 10 | 19.91 | 8.57 | 2.71 | 10 | 38.87 | 19.61 | 6.20 | 10 | 34.09 | 10.11 | 3.20 |
| | 6 | 10 | 10.69 | 3.43 | 1.08 | 10 | 25.92 | 18.76 | 5.93 | 10 | 18.19 | 10.60 | 3.35 |
| | 7 | 10 | 34.64 | 17.67 | 5.59 | 10 | 109.35 | 77.13 | 24.39 | 10 | 59.81 | 28.43 | 8.99 |
| | 8 | 10 | 0.52 | 1.22 | 0.39 | 10 | 4.59 | 4.49 | 1.42 | 10 | 1.08 | 1.14 | 0.36 |
| | 9 | 10 | 349.61 | 101.06 | 31.96 | 10 | 557.88 | 121.20 | 38.33 | 10 | 423.71 | 97.33 | 30.78 |
| 600-Minute | 1 | 10 | 118.29 | 49.44 | 15.63 | 10 | 94.65 | 42.34 | 13.39 | 10 | 135.89 | 45.58 | 14.41 |
| | 2 | 10 | 65.05 | 22.07 | 6.98 | 10 | 66.58 | 37.33 | 11.80 | 10 | 129.03 | 55.07 | 17.42 |
| | 3 | 10 | 38.27 | 10.02 | 3.17 | 10 | 42.90 | 12.52 | 3.96 | 10 | 46.36 | 19.19 | 6.07 |
| | 4 | 10 | 24.71 | 10.81 | 3.42 | 10 | 23.46 | 11.07 | 3.50 | 10 | 21.57 | 5.86 | 1.85 |
| | 5 | 10 | 28.35 | 11.34 | 3.58 | 10 | 27.92 | 11.26 | 3.56 | 10 | 26.26 | 8.40 | 2.65 |
| | 6 | 10 | 24.20 | 8.64 | 2.73 | 10 | 13.63 | 4.83 | 1.53 | 10 | 12.47 | 3.87 | 1.22 |
| | 7 | 10 | 58.97 | 48.68 | 15.39 | 10 | 58.71 | 92.01 | 29.10 | 10 | 22.66 | 7.88 | 2.49 |
| | 8 | 10 | 1.26 | 2.39 | 0.76 | 10 | 0.68 | 1.73 | 0.55 | 10 | 0.10 | 0.21 | 0.06 |
| | 9 | 10 | 274.66 | 55.35 | 17.50 | 10 | 255.51 | 88.32 | 27.93 | 10 | 359.11 | 99.43 | 31.44 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 122X DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|--------|--------|---------------|----|--------|---------------|-------|----|------------|--------|-------|---|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 114.03 | 55.99 | 17.71 | 10 | 118.70 | 75.77 | 23.96 | 10 | 106.34 | 65.86 | 20.83 | 3 | 113.02 | 6.24 | 3.60 |
| | 2 | 10 | 92.17 | 57.68 | 18.24 | 10 | 121.75 | 43.56 | 13.78 | 10 | 77.34 | 34.05 | 10.77 | 3 | 97.09 | 22.60 | 13.05 |
| | 3 | 10 | 78.33 | 49.14 | 15.54 | 10 | 101.56 | 73.90 | 23.37 | 10 | 50.59 | 21.32 | 6.74 | 3 | 76.83 | 25.52 | 14.73 |
| | 4 | 10 | 42.79 | 17.20 | 5.44 | 10 | 48.47 | 16.39 | 5.18 | 10 | 35.45 | 11.77 | 3.72 | 3 | 42.24 | 6.53 | 3.77 |
| | 5 | 10 | 27.02 | 9.54 | 3.02 | 10 | 39.56 | 14.07 | 4.45 | 10 | 26.85 | 9.89 | 3.13 | 3 | 31.14 | 7.29 | 4.21 |
| | 6 | 10 | 19.35 | 6.74 | 2.13 | 10 | 20.48 | 6.92 | 2.19 | 10 | 19.35 | 6.13 | 1.94 | 3 | 19.73 | 0.65 | 0.38 |
| | 7 | 10 | 38.66 | 10.69 | 3.38 | 10 | 34.66 | 3.53 | 1.12 | 10 | 40.39 | 6.67 | 2.11 | 3 | 37.91 | 2.94 | 1.70 |
| | 8 | 10 | 0.36 | 0.31 | 0.10 | 10 | 0.28 | 0.37 | 0.12 | 10 | 0.22 | 0.28 | 0.09 | 3 | 0.29 | 0.07 | 0.04 |
| | 9 | 10 | 354.34 | 155.12 | 49.05 | 10 | 430.04 | 97.39 | 30.80 | 10 | 296.58 | 105.43 | 33.34 | 3 | 360.32 | 66.93 | 38.64 |
| 90-Minute | 1 | 10 | 251.65 | 177.65 | 56.18 | 10 | 218.81 | 127.38 | 40.28 | 10 | 178.72 | 76.38 | 24.15 | 3 | 216.39 | 36.52 | 21.09 |
| | 2 | 10 | 157.31 | 93.73 | 29.64 | 10 | 98.74 | 45.68 | 14.45 | 10 | 113.05 | 35.43 | 11.20 | 3 | 123.03 | 30.54 | 17.63 |
| | 3 | 10 | 68.04 | 28.50 | 9.01 | 10 | 95.77 | 42.17 | 13.33 | 10 | 102.71 | 34.93 | 11.04 | 3 | 88.84 | 18.35 | 10.59 |
| | 4 | 10 | 46.61 | 11.83 | 3.74 | 10 | 56.68 | 24.99 | 7.90 | 10 | 61.66 | 24.35 | 7.70 | 3 | 54.98 | 7.67 | 4.43 |
| | 5 | 10 | 38.01 | 12.79 | 4.04 | 10 | 55.94 | 18.02 | 5.70 | 10 | 71.28 | 26.24 | 8.30 | 3 | 55.08 | 16.65 | 9.61 |
| | 6 | 10 | 18.19 | 6.48 | 2.05 | 10 | 29.60 | 13.19 | 4.17 | 10 | 29.79 | 10.32 | 3.26 | 3 | 25.86 | 6.64 | 3.84 |
| | 7 | 10 | 68.69 | 30.16 | 9.54 | 10 | 71.63 | 26.61 | 8.41 | 10 | 97.84 | 31.18 | 9.86 | 3 | 79.39 | 16.05 | 9.27 |
| | 8 | 10 | 0.68 | 0.69 | 0.22 | 10 | 0.65 | 0.67 | 0.21 | 10 | 1.07 | 0.70 | 0.22 | 3 | 0.80 | 0.23 | 0.13 |
| | 9 | 10 | 561.62 | 250.75 | 79.29 | 10 | 525.94 | 194.08 | 61.37 | 10 | 527.43 | 137.50 | 43.48 | 3 | 538.33 | 20.18 | 11.65 |
| 300-Minute | 1 | 10 | 140.19 | 37.75 | 11.94 | 10 | 225.96 | 77.94 | 24.65 | 10 | 172.55 | 48.36 | 15.29 | 3 | 179.57 | 43.32 | 25.01 |
| | 2 | 10 | 101.61 | 60.36 | 19.09 | 10 | 145.74 | 56.69 | 17.93 | 10 | 109.98 | 62.39 | 19.73 | 3 | 119.11 | 23.44 | 13.53 |
| | 3 | 10 | 51.08 | 17.33 | 5.48 | 10 | 67.57 | 24.12 | 7.63 | 10 | 61.70 | 20.43 | 6.46 | 3 | 60.12 | 8.36 | 4.83 |
| | 4 | 10 | 25.30 | 8.72 | 2.76 | 10 | 43.78 | 16.58 | 5.24 | 10 | 41.87 | 17.82 | 5.63 | 3 | 36.98 | 10.16 | 5.87 |
| | 5 | 10 | 25.27 | 9.92 | 3.14 | 10 | 36.63 | 15.22 | 4.81 | 10 | 35.76 | 17.12 | 5.41 | 3 | 32.55 | 6.32 | 3.65 |
| | 6 | 10 | 15.87 | 8.14 | 2.58 | 10 | 23.72 | 10.72 | 3.39 | 10 | 21.86 | 13.43 | 4.25 | 3 | 20.49 | 4.10 | 2.37 |
| | 7 | 10 | 41.16 | 15.37 | 4.86 | 10 | 78.99 | 37.45 | 11.84 | 10 | 63.01 | 37.33 | 11.80 | 3 | 61.06 | 18.99 | 10.96 |
| | 8 | 10 | 0.48 | 0.54 | 0.17 | 10 | 2.49 | 2.10 | 0.67 | 10 | 1.31 | 2.29 | 0.72 | 3 | 1.43 | 1.01 | 0.58 |
| | 9 | 10 | 343.45 | 95.14 | 30.09 | 10 | 519.68 | 122.54 | 38.75 | 10 | 421.86 | 98.50 | 31.15 | 3 | 428.33 | 88.29 | 50.98 |
| 600-Minute | 1 | 10 | 125.85 | 84.14 | 26.61 | 10 | 126.68 | 43.44 | 13.74 | 10 | 117.06 | 32.40 | 10.25 | 3 | 123.19 | 5.33 | 3.08 |
| | 2 | 10 | 76.88 | 28.69 | 9.07 | 10 | 75.86 | 31.51 | 9.97 | 10 | 136.44 | 69.30 | 21.92 | 3 | 96.39 | 34.69 | 20.03 |
| | 3 | 10 | 45.28 | 16.60 | 5.25 | 10 | 52.33 | 21.13 | 6.68 | 10 | 45.78 | 19.45 | 6.15 | 3 | 47.80 | 3.93 | 2.27 |
| | 4 | 10 | 35.65 | 16.09 | 5.09 | 10 | 24.60 | 8.99 | 2.84 | 10 | 24.41 | 7.07 | 2.23 | 3 | 28.22 | 6.44 | 3.72 |
| | 5 | 10 | 30.02 | 13.56 | 4.29 | 10 | 27.11 | 11.14 | 3.52 | 10 | 26.48 | 7.88 | 2.49 | 3 | 27.87 | 1.89 | 1.09 |
| | 6 | 10 | 26.99 | 11.94 | 3.78 | 10 | 14.60 | 4.16 | 1.32 | 10 | 12.82 | 6.01 | 1.90 | 3 | 18.14 | 7.72 | 4.45 |
| | 7 | 10 | 67.33 | 70.39 | 22.26 | 10 | 58.44 | 91.06 | 28.80 | 10 | 30.24 | 10.99 | 3.48 | 3 | 52.00 | 19.37 | 11.18 |
| | 8 | 10 | 2.87 | 8.58 | 2.71 | 10 | 0.40 | 0.70 | 0.22 | 10 | 0.07 | 0.22 | 0.07 | 3 | 1.11 | 1.53 | 0.88 |
| | 9 | 10 | 313.67 | 85.89 | 27.16 | 10 | 306.57 | 98.09 | 31.02 | 10 | 350.17 | 94.04 | 29.74 | 3 | 323.47 | 23.40 | 13.51 |

PARAMETER = Percent Power
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | | Windows 11-20 | | | | Windows 21-30 | | | | Grand Mean | | | |
|------------|------------|--------------|-------|-------|------|---------------|-------|-------|------|---------------|-------|-------|------|------------|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| | | | | | | | | | | | | | | | | | |
| Baseline | 1 | 10 | 38.19 | 22.52 | 7.12 | 10 | 41.97 | 19.32 | 6.11 | 10 | 29.59 | 7.57 | 2.40 | 3 | 36.58 | 6.35 | 3.67 |
| | 2 | 10 | 16.60 | 6.53 | 2.06 | 10 | 16.09 | 9.16 | 2.90 | 10 | 30.13 | 9.65 | 3.05 | 3 | 20.94 | 7.96 | 4.60 |
| | 3 | 10 | 15.73 | 7.45 | 2.36 | 10 | 19.28 | 8.16 | 2.58 | 10 | 19.91 | 5.63 | 1.78 | 3 | 18.31 | 2.26 | 1.30 |
| | 4 | 10 | 12.01 | 6.62 | 2.09 | 10 | 10.86 | 4.49 | 1.42 | 10 | 9.77 | 3.44 | 1.09 | 3 | 10.88 | 1.12 | 0.65 |
| | 5 | 10 | 17.46 | 13.56 | 4.29 | 10 | 11.80 | 4.38 | 1.39 | 10 | 10.61 | 10.45 | 3.30 | 3 | 13.29 | 3.66 | 2.12 |
| 30-Minute | 1 | 10 | 55.11 | 17.22 | 5.45 | 10 | 45.96 | 17.31 | 5.47 | 10 | 46.39 | 9.80 | 3.10 | 3 | 49.15 | 5.16 | 2.98 |
| | 2 | 10 | 20.14 | 6.76 | 2.14 | 10 | 26.37 | 8.72 | 2.76 | 10 | 32.39 | 8.56 | 2.71 | 3 | 26.30 | 6.13 | 3.54 |
| | 3 | 10 | 15.59 | 9.18 | 2.90 | 10 | 13.46 | 5.15 | 1.63 | 10 | 12.05 | 3.89 | 1.23 | 3 | 13.70 | 1.78 | 1.03 |
| | 4 | 10 | 4.32 | 2.59 | 0.82 | 10 | 7.62 | 4.25 | 1.34 | 10 | 4.95 | 2.61 | 0.82 | 3 | 5.63 | 1.75 | 1.01 |
| | 5 | 10 | 4.54 | 4.10 | 1.30 | 10 | 6.59 | 6.05 | 1.91 | 10 | 4.23 | 3.11 | 0.98 | 3 | 5.12 | 1.29 | 0.74 |
| 300-Minute | 1 | 10 | 52.86 | 15.72 | 4.97 | 10 | 51.65 | 10.82 | 3.42 | 10 | 55.43 | 10.59 | 3.35 | 3 | 53.31 | 1.93 | 1.12 |
| | 2 | 10 | 28.95 | 8.61 | 2.72 | 10 | 20.57 | 7.20 | 2.28 | 10 | 25.81 | 8.79 | 2.78 | 3 | 25.11 | 4.23 | 2.44 |
| | 3 | 10 | 11.76 | 8.20 | 2.59 | 10 | 12.97 | 5.71 | 1.81 | 10 | 11.17 | 3.78 | 1.19 | 3 | 11.96 | 0.92 | 0.53 |
| | 4 | 10 | 3.07 | 2.46 | 0.78 | 10 | 6.57 | 3.92 | 1.24 | 10 | 4.30 | 2.75 | 0.87 | 3 | 4.65 | 1.77 | 1.02 |
| | 5 | 10 | 3.36 | 2.84 | 0.90 | 10 | 8.25 | 6.29 | 1.99 | 10 | 3.29 | 2.74 | 0.87 | 3 | 4.97 | 2.84 | 1.64 |
| 600-Minute | 1 | 10 | 54.77 | 15.23 | 4.81 | 10 | 58.64 | 13.62 | 4.31 | 10 | 55.99 | 11.45 | 3.62 | 3 | 56.47 | 1.98 | 1.14 |
| | 2 | 10 | 27.76 | 11.56 | 3.66 | 10 | 19.05 | 5.06 | 1.60 | 10 | 20.82 | 5.95 | 1.88 | 3 | 22.54 | 4.61 | 2.66 |
| | 3 | 10 | 9.88 | 3.41 | 1.08 | 10 | 12.78 | 7.61 | 2.41 | 10 | 12.10 | 4.36 | 1.38 | 3 | 11.59 | 1.52 | 0.88 |
| | 4 | 10 | 3.55 | 2.42 | 0.76 | 10 | 5.24 | 2.99 | 0.95 | 10 | 5.08 | 2.28 | 0.72 | 3 | 4.62 | 0.93 | 0.54 |
| | 5 | 10 | 4.04 | 3.01 | 0.95 | 10 | 4.30 | 2.28 | 0.72 | 10 | 6.01 | 5.69 | 1.80 | 3 | 4.78 | 1.07 | 0.62 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 122X DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | | | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | | | | |
| Baseline | 1 | 10 | 44.63 | 9.75 | 3.08 | 10 | 31.02 | 9.93 | 3.14 | 10 | 31.69 | 7.48 | 2.37 | 3 | 35.78 | 7.67 | 4.43 |
| | 2 | 10 | 17.29 | 6.60 | 2.09 | 10 | 18.96 | 5.95 | 1.88 | 10 | 24.03 | 7.42 | 2.35 | 3 | 20.09 | 3.51 | 2.03 |
| | 3 | 10 | 13.13 | 4.13 | 1.31 | 10 | 16.14 | 5.01 | 1.59 | 10 | 18.03 | 8.22 | 2.60 | 3 | 15.77 | 2.47 | 1.43 |
| | 4 | 10 | 9.90 | 3.61 | 1.14 | 10 | 15.76 | 2.77 | 0.88 | 10 | 13.62 | 5.35 | 1.69 | 3 | 13.09 | 2.97 | 1.71 |
| | 5 | 10 | 15.06 | 9.58 | 3.03 | 10 | 18.12 | 4.86 | 1.54 | 10 | 12.63 | 4.35 | 1.38 | 3 | 15.27 | 2.75 | 1.59 |
| 30-Minute | 1 | 10 | 59.79 | 22.72 | 7.18 | 10 | 42.55 | 8.60 | 2.72 | 10 | 57.51 | 11.33 | 3.58 | 3 | 53.28 | 9.36 | 5.41 |
| | 2 | 10 | 18.16 | 9.51 | 3.01 | 10 | 26.23 | 7.77 | 2.46 | 10 | 27.15 | 9.70 | 3.07 | 3 | 23.85 | 4.95 | 2.86 |
| | 3 | 10 | 11.84 | 7.63 | 2.41 | 10 | 14.83 | 3.25 | 1.03 | 10 | 10.01 | 3.41 | 1.08 | 3 | 12.23 | 2.44 | 1.41 |
| | 4 | 10 | 6.49 | 5.56 | 1.76 | 10 | 10.03 | 4.37 | 1.38 | 10 | 3.24 | 2.86 | 0.90 | 3 | 6.59 | 3.39 | 1.96 |
| | 5 | 10 | 3.72 | 3.89 | 1.23 | 10 | 6.36 | 3.92 | 1.24 | 10 | 2.10 | 1.51 | 0.48 | 3 | 4.06 | 2.15 | 1.24 |
| 300-Minute | 1 | 10 | 63.11 | 20.67 | 6.54 | 10 | 55.82 | 14.92 | 4.72 | 10 | 47.91 | 10.81 | 3.42 | 3 | 55.61 | 7.60 | 4.39 |
| | 2 | 10 | 20.70 | 10.79 | 3.41 | 10 | 22.64 | 7.00 | 2.21 | 10 | 27.17 | 9.00 | 2.85 | 3 | 23.50 | 3.32 | 1.92 |
| | 3 | 10 | 9.16 | 6.32 | 2.00 | 10 | 12.19 | 6.45 | 2.04 | 10 | 14.00 | 3.89 | 1.23 | 3 | 11.78 | 2.44 | 1.41 |
| | 4 | 10 | 4.62 | 3.73 | 1.18 | 10 | 5.61 | 4.13 | 1.31 | 10 | 6.68 | 3.25 | 1.03 | 3 | 5.63 | 1.03 | 0.60 |
| | 5 | 10 | 2.41 | 2.37 | 0.75 | 10 | 3.74 | 3.05 | 0.96 | 10 | 4.25 | 2.38 | 0.75 | 3 | 3.47 | 0.95 | 0.55 |
| 600-Minute | 1 | 10 | 37.07 | 12.20 | 3.86 | 10 | 38.94 | 13.57 | 4.29 | 10 | 49.95 | 12.82 | 4.05 | 3 | 41.98 | 6.96 | 4.02 |
| | 2 | 10 | 32.43 | 7.63 | 2.41 | 10 | 31.01 | 6.80 | 2.15 | 10 | 25.30 | 7.75 | 2.45 | 3 | 29.58 | 3.78 | 2.18 |
| | 3 | 10 | 17.82 | 4.08 | 1.29 | 10 | 16.04 | 6.62 | 2.09 | 10 | 15.11 | 6.61 | 2.09 | 3 | 16.32 | 1.38 | 0.80 |
| | 4 | 10 | 6.21 | 2.01 | 0.64 | 10 | 7.23 | 2.98 | 0.94 | 10 | 6.15 | 3.94 | 1.25 | 3 | 6.53 | 0.60 | 0.35 |
| | 5 | 10 | 6.47 | 2.19 | 0.69 | 10 | 6.78 | 4.03 | 1.27 | 10 | 3.49 | 4.50 | 1.42 | 3 | 5.58 | 1.82 | 1.05 |

PARAMETER = Percent Power
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 37.63 | 10.91 | 3.45 | 10 | 32.68 | 11.95 | 3.78 | 10 | 36.82 | 14.09 | 4.46 | 3 | 35.71 | 2.65 | 1.53 |
| | 2 | 10 | 20.20 | 7.31 | 2.31 | 10 | 24.20 | 8.11 | 2.56 | 10 | 24.48 | 7.66 | 2.42 | 3 | 22.96 | 2.40 | 1.38 |
| | 3 | 10 | 13.91 | 4.40 | 1.39 | 10 | 19.34 | 8.34 | 2.64 | 10 | 16.91 | 5.53 | 1.75 | 3 | 16.72 | 2.72 | 1.57 |
| | 4 | 10 | 14.11 | 5.67 | 1.79 | 10 | 13.24 | 5.52 | 1.74 | 10 | 12.17 | 5.54 | 1.75 | 3 | 13.17 | 0.97 | 0.56 |
| | 5 | 10 | 14.15 | 7.96 | 2.52 | 10 | 10.54 | 3.11 | 0.98 | 10 | 9.62 | 4.12 | 1.30 | 3 | 11.44 | 2.40 | 1.38 |
| 30-Minute | 1 | 10 | 43.59 | 13.83 | 4.37 | 10 | 47.31 | 11.62 | 3.67 | 10 | 46.31 | 20.73 | 6.56 | 3 | 45.73 | 1.92 | 1.11 |
| | 2 | 10 | 20.59 | 5.65 | 1.79 | 10 | 25.39 | 8.28 | 2.62 | 10 | 30.21 | 11.23 | 3.55 | 3 | 25.40 | 4.81 | 2.78 |
| | 3 | 10 | 20.65 | 7.85 | 2.48 | 10 | 13.97 | 5.41 | 1.71 | 10 | 16.09 | 8.30 | 2.62 | 3 | 16.90 | 3.41 | 1.97 |
| | 4 | 10 | 8.02 | 3.56 | 1.13 | 10 | 6.60 | 2.64 | 0.84 | 10 | 3.94 | 2.21 | 0.70 | 3 | 6.18 | 2.07 | 1.20 |
| | 5 | 10 | 6.31 | 4.18 | 1.32 | 10 | 6.73 | 3.92 | 1.24 | 10 | 3.46 | 2.27 | 0.72 | 3 | 5.50 | 1.78 | 1.03 |
| 300-Minute | 1 | 10 | 57.66 | 13.28 | 4.20 | 10 | 46.31 | 13.91 | 4.40 | 10 | 52.37 | 7.80 | 2.47 | 3 | 52.11 | 5.68 | 3.28 |
| | 2 | 10 | 24.86 | 6.57 | 2.08 | 10 | 25.86 | 8.06 | 2.55 | 10 | 24.92 | 9.23 | 2.92 | 3 | 25.21 | 0.56 | 0.32 |
| | 3 | 10 | 9.56 | 4.23 | 1.34 | 10 | 12.64 | 6.38 | 2.02 | 10 | 11.01 | 2.03 | 0.64 | 3 | 11.07 | 1.54 | 0.89 |
| | 4 | 10 | 5.21 | 4.02 | 1.27 | 10 | 8.72 | 4.58 | 1.45 | 10 | 6.53 | 2.35 | 0.74 | 3 | 6.82 | 1.77 | 1.02 |
| | 5 | 10 | 2.71 | 2.18 | 0.69 | 10 | 6.48 | 2.77 | 0.87 | 10 | 5.17 | 3.00 | 0.95 | 3 | 4.79 | 1.91 | 1.10 |
| 600-Minute | 1 | 10 | 50.50 | 11.97 | 3.78 | 10 | 44.69 | 13.65 | 4.32 | 10 | 49.00 | 14.76 | 4.67 | 3 | 48.06 | 3.02 | 1.74 |
| | 2 | 10 | 21.89 | 6.92 | 2.19 | 10 | 27.61 | 7.88 | 2.49 | 10 | 25.67 | 7.66 | 2.42 | 3 | 25.05 | 2.91 | 1.68 |
| | 3 | 10 | 16.02 | 7.76 | 2.45 | 10 | 16.52 | 6.85 | 2.17 | 10 | 14.60 | 6.50 | 2.06 | 3 | 15.71 | 0.99 | 0.57 |
| | 4 | 10 | 7.22 | 2.24 | 0.71 | 10 | 5.98 | 2.27 | 0.72 | 10 | 6.69 | 3.15 | 1.00 | 3 | 6.63 | 0.62 | 0.36 |
| | 5 | 10 | 4.37 | 2.56 | 0.81 | 10 | 5.20 | 2.02 | 0.64 | 10 | 4.04 | 3.43 | 1.08 | 3 | 4.54 | 0.60 | 0.34 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 122X DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 43.25 | 9.74 | 3.08 | 10 | 29.13 | 8.97 | 2.84 | 10 | 33.70 | 11.93 | 3.77 | 3 | 35.36 | 7.21 | 4.16 |
| | 2 | 10 | 17.21 | 7.67 | 2.42 | 10 | 22.24 | 8.75 | 2.77 | 10 | 25.21 | 7.73 | 2.45 | 3 | 21.55 | 4.04 | 2.33 |
| | 3 | 10 | 17.33 | 4.17 | 1.32 | 10 | 20.26 | 5.95 | 1.88 | 10 | 20.47 | 5.35 | 1.69 | 3 | 19.35 | 1.76 | 1.01 |
| | 4 | 10 | 11.00 | 2.94 | 0.93 | 10 | 14.16 | 4.47 | 1.41 | 10 | 10.85 | 4.61 | 1.46 | 3 | 12.00 | 1.87 | 1.08 |
| | 5 | 10 | 11.21 | 6.18 | 1.95 | 10 | 14.22 | 7.63 | 2.41 | 10 | 9.78 | 4.58 | 1.45 | 3 | 11.74 | 2.27 | 1.31 |
| 30-Minute | 1 | 10 | 45.14 | 8.02 | 2.53 | 10 | 42.79 | 10.02 | 3.17 | 10 | 49.03 | 13.90 | 4.40 | 3 | 45.65 | 3.15 | 1.82 |
| | 2 | 10 | 21.46 | 6.77 | 2.14 | 10 | 27.84 | 7.49 | 2.37 | 10 | 28.88 | 8.43 | 2.66 | 3 | 26.06 | 4.02 | 2.32 |
| | 3 | 10 | 19.27 | 5.13 | 1.62 | 10 | 15.45 | 5.19 | 1.64 | 10 | 14.83 | 6.91 | 2.18 | 3 | 16.52 | 2.40 | 1.39 |
| | 4 | 10 | 6.86 | 2.55 | 0.81 | 10 | 6.67 | 2.78 | 0.88 | 10 | 3.87 | 2.33 | 0.74 | 3 | 5.80 | 1.67 | 0.97 |
| | 5 | 10 | 6.85 | 4.73 | 1.49 | 10 | 7.25 | 3.81 | 1.20 | 10 | 3.38 | 1.80 | 0.57 | 3 | 5.83 | 2.13 | 1.23 |
| 300-Minute | 1 | 10 | 53.44 | 13.71 | 4.34 | 10 | 48.62 | 11.10 | 3.51 | 10 | 50.39 | 9.07 | 2.87 | 3 | 50.82 | 2.44 | 1.41 |
| | 2 | 10 | 25.66 | 8.32 | 2.63 | 10 | 25.08 | 8.17 | 2.58 | 10 | 27.20 | 9.58 | 3.03 | 3 | 25.98 | 1.10 | 0.63 |
| | 3 | 10 | 12.08 | 4.83 | 1.53 | 10 | 13.15 | 5.43 | 1.72 | 10 | 11.83 | 3.27 | 1.04 | 3 | 12.35 | 0.70 | 0.41 |
| | 4 | 10 | 4.72 | 2.52 | 0.80 | 10 | 7.13 | 5.09 | 1.61 | 10 | 5.79 | 2.42 | 0.77 | 3 | 5.88 | 1.21 | 0.70 |
| | 5 | 10 | 4.09 | 3.19 | 1.01 | 10 | 6.02 | 2.03 | 0.64 | 10 | 4.78 | 2.18 | 0.69 | 3 | 4.97 | 0.98 | 0.56 |
| 600-Minute | 1 | 10 | 53.56 | 6.49 | 2.05 | 10 | 43.18 | 11.57 | 3.66 | 10 | 49.18 | 13.10 | 4.14 | 3 | 48.64 | 5.21 | 3.01 |
| | 2 | 10 | 18.49 | 5.60 | 1.77 | 10 | 27.34 | 6.54 | 2.07 | 10 | 25.45 | 7.22 | 2.28 | 3 | 23.76 | 4.66 | 2.69 |
| | 3 | 10 | 14.85 | 4.33 | 1.37 | 10 | 16.62 | 7.68 | 2.43 | 10 | 13.20 | 5.46 | 1.73 | 3 | 14.89 | 1.71 | 0.99 |
| | 4 | 10 | 7.55 | 3.64 | 1.15 | 10 | 6.49 | 2.49 | 0.79 | 10 | 7.20 | 4.85 | 1.53 | 3 | 7.08 | 0.54 | 0.31 |
| | 5 | 10 | 5.56 | 1.40 | 0.44 | 10 | 6.37 | 2.59 | 0.82 | 10 | 4.97 | 3.96 | 1.25 | 3 | 5.63 | 0.70 | 0.40 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 122X DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 1.90 | 0.34 | 0.11 | 10 | 1.82 | 0.27 | 0.08 | 10 | 2.00 | 0.20 | 0.06 |
| | 2 | 10 | 5.52 | 0.23 | 0.07 | 9 | 5.89 | 0.33 | 0.11 | 10 | 5.73 | 0.41 | 0.13 |
| | 3 | 10 | 10.27 | 0.49 | 0.15 | 10 | 10.42 | 0.73 | 0.23 | 10 | 9.73 | 0.34 | 0.11 |
| | 4 | 9 | 15.26 | 0.50 | 0.17 | 10 | 15.11 | 0.57 | 0.18 | 10 | 15.04 | 0.30 | 0.10 |
| | 5 | 9 | 21.30 | 0.58 | 0.19 | 10 | 21.04 | 0.61 | 0.19 | 10 | 20.89 | 0.35 | 0.11 |
| | 9 | 10 | 8.74 | 3.75 | 1.19 | 10 | 7.80 | 1.84 | 0.58 | 10 | 7.95 | 1.66 | 0.53 |
| 30-Minute | 1 | 10 | 1.86 | 0.36 | 0.11 | 10 | 1.90 | 0.19 | 0.06 | 10 | 2.04 | 0.27 | 0.08 |
| | 2 | 10 | 5.43 | 0.48 | 0.15 | 10 | 5.59 | 0.40 | 0.13 | 10 | 5.65 | 0.21 | 0.07 |
| | 3 | 10 | 10.14 | 0.54 | 0.17 | 10 | 10.00 | 0.40 | 0.13 | 10 | 9.77 | 0.31 | 0.10 |
| | 4 | 9 | 14.58 | 0.62 | 0.21 | 10 | 15.00 | 0.45 | 0.14 | 10 | 15.32 | 0.54 | 0.17 |
| | 5 | 8 | 20.81 | 0.89 | 0.31 | 9 | 21.57 | 1.23 | 0.41 | 9 | 20.68 | 1.01 | 0.34 |
| | 9 | 10 | 5.25 | 1.80 | 0.57 | 10 | 6.25 | 2.03 | 0.64 | 10 | 5.57 | 1.07 | 0.34 |
| 300-Minute | 1 | 10 | 1.93 | 0.24 | 0.08 | 10 | 1.92 | 0.29 | 0.09 | 10 | 2.05 | 0.32 | 0.10 |
| | 2 | 10 | 5.45 | 0.33 | 0.10 | 10 | 5.42 | 0.32 | 0.10 | 10 | 5.34 | 0.47 | 0.15 |
| | 3 | 9 | 9.69 | 0.65 | 0.22 | 10 | 10.40 | 0.41 | 0.13 | 10 | 9.85 | 0.31 | 0.10 |
| | 4 | 7 | 14.84 | 0.25 | 0.10 | 9 | 15.11 | 0.32 | 0.11 | 9 | 15.02 | 0.67 | 0.22 |
| | 5 | 8 | 20.92 | 1.37 | 0.48 | 10 | 21.32 | 0.83 | 0.26 | 8 | 21.28 | 1.09 | 0.39 |
| | 9 | 10 | 4.88 | 1.41 | 0.45 | 10 | 6.20 | 1.86 | 0.59 | 10 | 4.93 | 0.95 | 0.30 |
| 600-Minute | 1 | 10 | 2.00 | 0.25 | 0.08 | 10 | 1.91 | 0.19 | 0.06 | 10 | 1.93 | 0.12 | 0.04 |
| | 2 | 10 | 5.42 | 0.35 | 0.11 | 10 | 5.38 | 0.36 | 0.11 | 10 | 5.44 | 0.27 | 0.09 |
| | 3 | 10 | 9.88 | 0.62 | 0.20 | 10 | 9.75 | 0.53 | 0.17 | 10 | 9.91 | 0.49 | 0.16 |
| | 4 | 9 | 14.75 | 0.92 | 0.31 | 10 | 14.62 | 0.85 | 0.27 | 10 | 15.20 | 0.91 | 0.29 |
| | 5 | 10 | 20.98 | 0.96 | 0.30 | 9 | 21.64 | 1.09 | 0.36 | 10 | 21.23 | 0.80 | 0.25 |
| | 9 | 10 | 4.96 | 1.22 | 0.39 | 10 | 5.08 | 1.26 | 0.40 | 10 | 5.45 | 1.47 | 0.46 |
| | 1 | 10 | 1.91 | 0.09 | 0.05 | 3 | 1.91 | 0.09 | 0.05 | 3 | 1.91 | 0.09 | 0.05 |
| | 2 | 10 | 5.72 | 0.19 | 0.11 | 3 | 5.72 | 0.19 | 0.11 | 3 | 5.72 | 0.19 | 0.11 |
| | 3 | 10 | 10.14 | 0.36 | 0.21 | 3 | 10.14 | 0.36 | 0.21 | 3 | 10.14 | 0.36 | 0.21 |
| | 4 | 15 | 15.14 | 0.11 | 0.06 | 3 | 15.14 | 0.11 | 0.06 | 3 | 15.14 | 0.11 | 0.06 |
| | 5 | 21 | 21.08 | 0.21 | 0.12 | 3 | 21.08 | 0.21 | 0.12 | 3 | 21.08 | 0.21 | 0.12 |
| | 9 | 8 | 8.16 | 0.51 | 0.29 | 3 | 8.16 | 0.51 | 0.29 | 3 | 8.16 | 0.51 | 0.29 |
| | 1 | 10 | 1.93 | 0.10 | 0.06 | 3 | 1.93 | 0.10 | 0.06 | 3 | 1.93 | 0.10 | 0.06 |
| | 2 | 10 | 5.56 | 0.11 | 0.06 | 3 | 5.56 | 0.11 | 0.06 | 3 | 5.56 | 0.11 | 0.06 |
| | 3 | 10 | 9.97 | 0.19 | 0.11 | 3 | 9.97 | 0.19 | 0.11 | 3 | 9.97 | 0.19 | 0.11 |
| | 4 | 14 | 14.97 | 0.37 | 0.21 | 3 | 14.97 | 0.37 | 0.21 | 3 | 14.97 | 0.37 | 0.21 |
| | 5 | 21 | 21.02 | 0.48 | 0.28 | 3 | 21.02 | 0.48 | 0.28 | 3 | 21.02 | 0.48 | 0.28 |
| | 9 | 5 | 5.69 | 0.51 | 0.30 | 3 | 5.69 | 0.51 | 0.30 | 3 | 5.69 | 0.51 | 0.30 |
| | 1 | 10 | 1.97 | 0.07 | 0.04 | 3 | 1.97 | 0.07 | 0.04 | 3 | 1.97 | 0.07 | 0.04 |
| | 2 | 10 | 5.40 | 0.06 | 0.03 | 3 | 5.40 | 0.06 | 0.03 | 3 | 5.40 | 0.06 | 0.03 |
| | 3 | 10 | 9.98 | 0.37 | 0.22 | 3 | 9.98 | 0.37 | 0.22 | 3 | 9.98 | 0.37 | 0.22 |
| | 4 | 14 | 14.99 | 0.14 | 0.08 | 3 | 14.99 | 0.14 | 0.08 | 3 | 14.99 | 0.14 | 0.08 |
| | 5 | 21 | 21.17 | 0.22 | 0.13 | 3 | 21.17 | 0.22 | 0.13 | 3 | 21.17 | 0.22 | 0.13 |
| | 9 | 5 | 5.34 | 0.75 | 0.43 | 3 | 5.34 | 0.75 | 0.43 | 3 | 5.34 | 0.75 | 0.43 |
| | 1 | 10 | 1.95 | 0.05 | 0.03 | 3 | 1.95 | 0.05 | 0.03 | 3 | 1.95 | 0.05 | 0.03 |
| | 2 | 10 | 5.41 | 0.03 | 0.02 | 3 | 5.41 | 0.03 | 0.02 | 3 | 5.41 | 0.03 | 0.02 |
| | 3 | 10 | 9.85 | 0.08 | 0.05 | 3 | 9.85 | 0.08 | 0.05 | 3 | 9.85 | 0.08 | 0.05 |
| | 4 | 14 | 14.86 | 0.31 | 0.18 | 3 | 14.86 | 0.31 | 0.18 | 3 | 14.86 | 0.31 | 0.18 |
| | 5 | 21 | 21.28 | 0.34 | 0.19 | 3 | 21.28 | 0.34 | 0.19 | 3 | 21.28 | 0.34 | 0.19 |
| | 9 | 5 | 5.17 | 0.25 | 0.15 | 3 | 5.17 | 0.25 | 0.15 | 3 | 5.17 | 0.25 | 0.15 |

PARAMETER = Mean Frequency
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 1.69 | 0.26 | 0.08 | 10 | 1.76 | 0.28 | 0.09 | 10 | 2.04 | 0.14 | 0.04 | 3 | 1.83 | 0.19 | 0.11 |
| | 2 | 10 | 5.61 | 0.31 | 0.10 | 10 | 5.76 | 0.26 | 0.08 | 10 | 5.62 | 0.50 | 0.16 | 3 | 5.66 | 0.08 | 0.05 |
| | 3 | 10 | 10.24 | 0.46 | 0.15 | 10 | 10.20 | 0.34 | 0.11 | 10 | 9.81 | 0.45 | 0.14 | 3 | 10.08 | 0.24 | 0.14 |
| | 4 | 10 | 15.00 | 0.26 | 0.08 | 10 | 15.29 | 0.68 | 0.22 | 10 | 15.12 | 0.21 | 0.07 | 3 | 15.14 | 0.14 | 0.08 |
| | 5 | 10 | 21.12 | 0.72 | 0.23 | 10 | 21.34 | 0.41 | 0.13 | 10 | 21.21 | 0.63 | 0.20 | 3 | 21.23 | 0.11 | 0.07 |
| 30-Minute | 9 | 10 | 7.70 | 2.05 | 0.65 | 10 | 9.57 | 1.23 | 0.39 | 10 | 8.50 | 1.05 | 0.33 | 3 | 8.59 | 0.94 | 0.54 |
| | 1 | 10 | 1.81 | 0.37 | 0.12 | 10 | 1.85 | 0.23 | 0.07 | 10 | 1.80 | 0.21 | 0.07 | 3 | 1.82 | 0.03 | 0.01 |
| | 2 | 9 | 5.67 | 0.41 | 0.14 | 10 | 5.67 | 0.42 | 0.13 | 10 | 5.54 | 0.30 | 0.10 | 3 | 5.63 | 0.07 | 0.04 |
| | 3 | 9 | 9.92 | 0.31 | 0.10 | 10 | 10.12 | 0.41 | 0.13 | 10 | 9.55 | 0.60 | 0.19 | 3 | 9.86 | 0.29 | 0.17 |
| | 4 | 8 | 15.27 | 0.36 | 0.13 | 10 | 14.83 | 0.49 | 0.15 | 7 | 15.29 | 0.71 | 0.27 | 3 | 15.13 | 0.26 | 0.15 |
| 300-Minute | 5 | 8 | 20.33 | 1.01 | 0.36 | 9 | 21.04 | 0.48 | 0.16 | 9 | 20.43 | 1.51 | 0.50 | 3 | 20.60 | 0.38 | 0.22 |
| | 9 | 10 | 4.99 | 2.32 | 0.73 | 10 | 6.63 | 0.96 | 0.30 | 10 | 4.42 | 0.77 | 0.24 | 3 | 5.35 | 1.14 | 0.66 |
| | 1 | 10 | 1.86 | 0.25 | 0.08 | 10 | 1.86 | 0.37 | 0.12 | 10 | 2.05 | 0.28 | 0.09 | 3 | 1.92 | 0.11 | 0.07 |
| | 2 | 10 | 5.49 | 0.44 | 0.14 | 10 | 5.40 | 0.24 | 0.07 | 10 | 5.37 | 0.40 | 0.13 | 3 | 5.42 | 0.07 | 0.04 |
| | 3 | 8 | 10.10 | 0.44 | 0.15 | 9 | 10.31 | 0.57 | 0.19 | 10 | 9.99 | 0.32 | 0.10 | 3 | 10.13 | 0.16 | 0.09 |
| 600-Minute | 4 | 8 | 14.64 | 0.59 | 0.21 | 9 | 14.69 | 0.90 | 0.30 | 10 | 14.60 | 0.57 | 0.18 | 3 | 14.65 | 0.04 | 0.03 |
| | 5 | 7 | 19.95 | 1.44 | 0.54 | 8 | 20.07 | 1.04 | 0.37 | 10 | 20.43 | 0.83 | 0.26 | 3 | 20.15 | 0.25 | 0.14 |
| | 9 | 10 | 4.36 | 1.76 | 0.56 | 10 | 5.06 | 1.64 | 0.52 | 10 | 5.69 | 1.09 | 0.34 | 3 | 5.04 | 0.67 | 0.39 |
| | 1 | 10 | 2.11 | 0.24 | 0.08 | 10 | 1.98 | 0.19 | 0.06 | 10 | 1.79 | 0.18 | 0.06 | 3 | 1.96 | 0.16 | 0.10 |
| | 2 | 10 | 5.52 | 0.24 | 0.08 | 10 | 5.30 | 0.29 | 0.09 | 10 | 5.48 | 0.25 | 0.08 | 3 | 5.44 | 0.12 | 0.07 |
| 600-Minute | 3 | 10 | 9.91 | 0.32 | 0.10 | 10 | 9.90 | 0.44 | 0.14 | 10 | 9.78 | 0.40 | 0.13 | 3 | 9.86 | 0.07 | 0.04 |
| | 4 | 10 | 15.21 | 0.38 | 0.12 | 10 | 15.01 | 0.45 | 0.14 | 10 | 15.06 | 0.48 | 0.15 | 3 | 15.09 | 0.11 | 0.06 |
| | 5 | 10 | 20.96 | 0.59 | 0.19 | 9 | 21.04 | 0.50 | 0.17 | 8 | 21.26 | 1.65 | 0.58 | 3 | 21.09 | 0.16 | 0.09 |
| | 9 | 10 | 6.64 | 1.04 | 0.33 | 10 | 6.52 | 1.45 | 0.46 | 10 | 5.41 | 1.47 | 0.46 | 3 | 6.19 | 0.68 | 0.39 |

PARAMETER = Mean Frequency
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 2.12 | 0.29 | 0.09 | 10 | 2.12 | 0.27 | 0.08 | 10 | 2.04 | 0.21 | 0.07 | 3 | 2.09 | 0.05 | 0.03 |
| | 2 | 10 | 5.63 | 0.37 | 0.12 | 10 | 5.52 | 0.44 | 0.14 | 10 | 5.56 | 0.39 | 0.12 | 3 | 5.57 | 0.06 | 0.03 |
| | 3 | 10 | 10.18 | 0.32 | 0.10 | 10 | 10.13 | 0.36 | 0.11 | 10 | 10.15 | 0.45 | 0.14 | 3 | 10.15 | 0.02 | 0.01 |
| | 4 | 10 | 15.03 | 0.24 | 0.07 | 10 | 14.93 | 0.52 | 0.16 | 10 | 15.03 | 0.31 | 0.10 | 3 | 15.00 | 0.06 | 0.03 |
| | 5 | 10 | 21.12 | 0.36 | 0.11 | 10 | 20.94 | 0.47 | 0.15 | 10 | 21.24 | 0.44 | 0.14 | 3 | 21.10 | 0.15 | 0.09 |
| 30-Minute | 9 | 10 | 8.42 | 1.98 | 0.63 | 10 | 8.15 | 1.23 | 0.39 | 10 | 7.70 | 1.42 | 0.45 | 3 | 8.09 | 0.36 | 0.21 |
| | 1 | 10 | 1.99 | 0.27 | 0.09 | 10 | 1.97 | 0.21 | 0.07 | 10 | 2.11 | 0.24 | 0.08 | 3 | 2.02 | 0.07 | 0.04 |
| | 2 | 10 | 5.53 | 0.30 | 0.09 | 10 | 5.69 | 0.23 | 0.07 | 10 | 5.51 | 0.53 | 0.17 | 3 | 5.58 | 0.10 | 0.06 |
| | 3 | 10 | 9.88 | 0.40 | 0.13 | 10 | 10.14 | 0.35 | 0.11 | 10 | 9.78 | 0.48 | 0.15 | 3 | 9.93 | 0.19 | 0.11 |
| | 4 | 10 | 14.75 | 0.66 | 0.21 | 10 | 15.21 | 0.71 | 0.22 | 10 | 14.50 | 0.38 | 0.12 | 3 | 14.82 | 0.36 | 0.21 |
| 300-Minute | 5 | 9 | 20.60 | 1.38 | 0.46 | 9 | 21.33 | 0.50 | 0.17 | 9 | 21.39 | 0.70 | 0.23 | 3 | 21.11 | 0.44 | 0.25 |
| | 9 | 10 | 6.56 | 1.63 | 0.52 | 10 | 6.23 | 1.04 | 0.33 | 10 | 5.53 | 1.56 | 0.49 | 3 | 6.10 | 0.53 | 0.30 |
| | 1 | 10 | 2.06 | 0.29 | 0.09 | 10 | 2.03 | 0.28 | 0.09 | 10 | 2.10 | 0.20 | 0.06 | 3 | 2.06 | 0.03 | 0.02 |
| | 2 | 10 | 5.31 | 0.24 | 0.08 | 10 | 5.24 | 0.28 | 0.09 | 10 | 5.36 | 0.34 | 0.11 | 3 | 5.30 | 0.06 | 0.04 |
| | 3 | 10 | 10.33 | 0.38 | 0.12 | 10 | 10.06 | 0.42 | 0.13 | 10 | 10.00 | 0.24 | 0.08 | 3 | 10.13 | 0.18 | 0.10 |
| 600-Minute | 4 | 10 | 14.66 | 1.10 | 0.35 | 10 | 14.82 | 0.36 | 0.11 | 10 | 14.94 | 0.33 | 0.11 | 3 | 14.81 | 0.14 | 0.08 |
| | 5 | 7 | 21.44 | 1.16 | 0.44 | 10 | 21.01 | 0.86 | 0.27 | 10 | 20.96 | 0.55 | 0.18 | 3 | 21.14 | 0.26 | 0.15 |
| | 9 | 10 | 4.84 | 1.23 | 0.39 | 10 | 6.20 | 1.47 | 0.46 | 10 | 5.58 | 0.82 | 0.26 | 3 | 5.54 | 0.68 | 0.39 |
| | 1 | 10 | 2.01 | 0.31 | 0.10 | 10 | 1.98 | 0.30 | 0.09 | 10 | 2.06 | 0.24 | 0.08 | 3 | 2.01 | 0.04 | 0.02 |
| | 2 | 10 | 5.36 | 0.38 | 0.12 | 10 | 5.32 | 0.33 | 0.10 | 10 | 5.36 | 0.27 | 0.08 | 3 | 5.35 | 0.02 | 0.01 |
| | 3 | 10 | 10.07 | 0.26 | 0.08 | 10 | 9.82 | 0.35 | 0.11 | 10 | 10.02 | 0.45 | 0.14 | 3 | 9.97 | 0.13 | 0.08 |
| | 4 | 10 | 14.98 | 0.24 | 0.07 | 10 | 15.18 | 0.45 | 0.14 | 10 | 14.95 | 0.45 | 0.14 | 3 | 15.04 | 0.13 | 0.07 |
| | 5 | 9 | 21.28 | 0.69 | 0.23 | 10 | 21.03 | 0.48 | 0.15 | 8 | 21.19 | 1.16 | 0.41 | 3 | 21.16 | 0.13 | 0.07 |
| | 9 | 10 | 5.81 | 1.20 | 0.38 | 10 | 5.95 | 1.11 | 0.35 | 10 | 5.69 | 1.43 | 0.45 | 3 | 5.82 | 0.13 | 0.08 |

PARAMETER = Mean Frequency
CHANNEL = 4

PARAMETER = Peak Frequency
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 7 | 2.64 | 0.75 | 0.28 | 5 | 2.70 | 0.76 | 0.34 | 8 | 2.25 | 0.85 | 0.30 | 3 | 2.53 | 0.24 | 0.14 |
| | 2 | 8 | 5.75 | 1.16 | 0.41 | 9 | 6.56 | 0.81 | 0.27 | 8 | 5.94 | 0.90 | 0.32 | 3 | 6.08 | 0.42 | 0.24 |
| | 3 | 9 | 10.94 | 0.85 | 0.28 | 10 | 10.95 | 1.32 | 0.42 | 10 | 10.70 | 1.18 | 0.37 | 3 | 10.86 | 0.14 | 0.08 |
| | 4 | 8 | 15.69 | 1.00 | 0.35 | 9 | 15.72 | 1.09 | 0.36 | 9 | 15.89 | 1.22 | 0.41 | 3 | 15.77 | 0.11 | 0.06 |
| | 5 | 9 | 21.50 | 2.08 | 0.69 | 10 | 22.60 | 1.98 | 0.63 | 10 | 21.35 | 1.49 | 0.47 | 3 | 21.82 | 0.68 | 0.39 |
| 30-Minute | 9 | 10 | 7.40 | 7.53 | 2.38 | 10 | 7.85 | 5.40 | 1.71 | 10 | 4.05 | 2.40 | 0.76 | 3 | 6.43 | 2.08 | 1.20 |
| | 1 | 7 | 2.57 | 0.84 | 0.32 | 6 | 2.33 | 0.75 | 0.31 | 9 | 2.39 | 0.70 | 0.23 | 3 | 2.43 | 0.12 | 0.07 |
| | 2 | 9 | 6.44 | 0.81 | 0.27 | 9 | 6.33 | 1.00 | 0.33 | 10 | 5.30 | 0.67 | 0.21 | 3 | 6.03 | 0.63 | 0.36 |
| | 3 | 10 | 10.35 | 1.08 | 0.34 | 8 | 10.50 | 1.28 | 0.45 | 10 | 11.10 | 1.26 | 0.40 | 3 | 10.65 | 0.40 | 0.23 |
| | 4 | 8 | 15.69 | 1.33 | 0.47 | 9 | 16.17 | 1.12 | 0.37 | 9 | 15.83 | 1.12 | 0.37 | 3 | 15.90 | 0.25 | 0.14 |
| 300-Minute | 5 | 7 | 22.14 | 1.93 | 0.73 | 8 | 22.19 | 0.65 | 0.23 | 7 | 22.21 | 2.02 | 0.76 | 3 | 22.18 | 0.04 | 0.02 |
| | 9 | 10 | 4.30 | 2.35 | 0.74 | 10 | 4.10 | 2.12 | 0.67 | 10 | 3.30 | 1.34 | 0.42 | 3 | 3.90 | 0.53 | 0.31 |
| | 1 | 8 | 2.00 | 0.65 | 0.23 | 8 | 2.44 | 0.82 | 0.29 | 9 | 2.44 | 0.81 | 0.27 | 3 | 2.29 | 0.25 | 0.15 |
| | 2 | 9 | 6.06 | 1.18 | 0.39 | 9 | 5.67 | 0.94 | 0.31 | 9 | 5.83 | 0.83 | 0.28 | 3 | 5.85 | 0.20 | 0.11 |
| | 3 | 7 | 10.43 | 1.13 | 0.43 | 8 | 10.75 | 0.60 | 0.21 | 9 | 10.56 | 1.16 | 0.39 | 3 | 10.58 | 0.16 | 0.09 |
| 600-Minute | 4 | 5 | 15.20 | 1.15 | 0.51 | 6 | 16.75 | 0.69 | 0.28 | 7 | 16.29 | 1.19 | 0.45 | 3 | 16.08 | 0.80 | 0.46 |
| | 5 | 7 | 22.14 | 1.75 | 0.66 | 10 | 21.50 | 1.81 | 0.57 | 8 | 22.56 | 1.82 | 0.64 | 3 | 22.07 | 0.54 | 0.31 |
| | 9 | 10 | 2.80 | 1.32 | 0.42 | 10 | 4.35 | 4.12 | 1.30 | 10 | 3.55 | 2.07 | 0.66 | 3 | 3.57 | 0.78 | 0.45 |
| | 1 | 6 | 2.08 | 0.74 | 0.30 | 9 | 2.33 | 0.90 | 0.30 | 8 | 2.31 | 0.59 | 0.21 | 3 | 2.24 | 0.14 | 0.08 |
| | 2 | 8 | 5.94 | 0.94 | 0.33 | 7 | 5.64 | 0.94 | 0.36 | 9 | 5.28 | 0.83 | 0.28 | 3 | 5.62 | 0.33 | 0.19 |
| | 3 | 7 | 11.21 | 1.29 | 0.49 | 8 | 10.31 | 0.92 | 0.33 | 8 | 10.44 | 1.43 | 0.50 | 3 | 10.65 | 0.49 | 0.28 |
| | 4 | 7 | 15.00 | 1.00 | 0.38 | 7 | 15.93 | 1.72 | 0.65 | 7 | 16.07 | 1.34 | 0.51 | 3 | 15.67 | 0.58 | 0.34 |
| | 5 | 10 | 22.50 | 1.76 | 0.56 | 9 | 21.83 | 1.94 | 0.65 | 9 | 21.78 | 1.75 | 0.58 | 3 | 22.04 | 0.40 | 0.23 |
| | 9 | 10 | 4.20 | 2.86 | 0.90 | 10 | 3.45 | 2.80 | 0.89 | 10 | 2.80 | 1.21 | 0.38 | 3 | 3.48 | 0.70 | 0.40 |

PARAMETER = Peak Frequency
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 6 | 2.42 | 0.74 | 0.30 | 5 | 2.50 | 0.79 | 0.35 | 8 | 2.94 | 0.62 | 0.22 | 3 | 2.62 | 0.28 | 0.16 |
| | 2 | 10 | 6.00 | 1.13 | 0.36 | 10 | 5.95 | 1.09 | 0.35 | 8 | 5.94 | 1.21 | 0.43 | 3 | 5.96 | 0.03 | 0.02 |
| | 3 | 9 | 11.06 | 0.73 | 0.24 | 10 | 10.55 | 1.14 | 0.36 | 10 | 10.40 | 1.22 | 0.39 | 3 | 10.67 | 0.34 | 0.20 |
| | 4 | 10 | 14.95 | 0.80 | 0.25 | 9 | 15.72 | 1.46 | 0.49 | 10 | 15.05 | 1.14 | 0.36 | 3 | 15.24 | 0.42 | 0.24 |
| | 5 | 10 | 21.55 | 2.03 | 0.64 | 10 | 22.55 | 1.80 | 0.57 | 10 | 22.45 | 1.98 | 0.63 | 3 | 22.18 | 0.55 | 0.32 |
| | 9 | 10 | 7.45 | 7.27 | 2.30 | 10 | 7.95 | 7.34 | 2.32 | 10 | 4.75 | 2.26 | 0.72 | 3 | 6.72 | 1.72 | 0.99 |
| 30-Minute | 1 | 6 | 2.67 | 0.68 | 0.28 | 7 | 2.64 | 0.80 | 0.30 | 5 | 2.60 | 0.65 | 0.29 | 3 | 2.64 | 0.03 | 0.02 |
| | 2 | 8 | 6.87 | 0.69 | 0.25 | 8 | 5.75 | 1.10 | 0.39 | 8 | 5.12 | 0.74 | 0.26 | 3 | 5.92 | 0.89 | 0.51 |
| | 3 | 8 | 10.88 | 1.22 | 0.43 | 8 | 10.56 | 1.64 | 0.58 | 8 | 10.25 | 1.16 | 0.41 | 3 | 10.56 | 0.31 | 0.18 |
| | 4 | 7 | 15.93 | 1.34 | 0.51 | 10 | 16.30 | 1.40 | 0.44 | 5 | 16.30 | 1.04 | 0.46 | 3 | 16.18 | 0.21 | 0.12 |
| | 5 | 7 | 21.64 | 0.99 | 0.37 | 9 | 22.44 | 1.24 | 0.41 | 8 | 21.75 | 1.71 | 0.61 | 3 | 21.95 | 0.44 | 0.25 |
| | 9 | 9 | 4.61 | 2.13 | 0.71 | 10 | 4.95 | 3.45 | 1.09 | 10 | 5.70 | 4.88 | 1.54 | 3 | 5.09 | 0.56 | 0.32 |
| 300-Minute | 1 | 8 | 2.50 | 0.60 | 0.21 | 5 | 2.30 | 0.27 | 0.12 | 9 | 2.61 | 0.82 | 0.27 | 3 | 2.47 | 0.16 | 0.09 |
| | 2 | 9 | 5.67 | 1.09 | 0.36 | 9 | 6.11 | 0.99 | 0.33 | 9 | 6.00 | 1.09 | 0.36 | 3 | 5.93 | 0.23 | 0.13 |
| | 3 | 7 | 10.79 | 1.15 | 0.43 | 9 | 10.94 | 1.01 | 0.34 | 10 | 10.40 | 1.13 | 0.36 | 3 | 10.71 | 0.28 | 0.16 |
| | 4 | 4 | 15.75 | 1.04 | 0.52 | 6 | 15.50 | 1.58 | 0.65 | 5 | 14.00 | 0.71 | 0.32 | 3 | 15.08 | 0.95 | 0.55 |
| | 5 | 4 | 22.25 | 1.85 | 0.92 | 7 | 20.71 | 1.65 | 0.63 | 10 | 21.50 | 1.37 | 0.43 | 3 | 21.49 | 0.77 | 0.44 |
| | 9 | 10 | 4.00 | 2.17 | 0.69 | 10 | 5.00 | 4.00 | 1.26 | 10 | 3.25 | 1.42 | 0.45 | 3 | 4.08 | 0.88 | 0.51 |
| 600-Minute | 1 | 7 | 2.79 | 0.70 | 0.26 | 6 | 2.33 | 0.61 | 0.25 | 2 | 2.50 | 0.71 | 0.50 | 3 | 2.54 | 0.23 | 0.13 |
| | 2 | 10 | 5.85 | 0.88 | 0.28 | 9 | 5.50 | 0.83 | 0.28 | 9 | 6.06 | 0.92 | 0.31 | 3 | 5.80 | 0.28 | 0.16 |
| | 3 | 9 | 10.94 | 1.38 | 0.46 | 8 | 9.50 | 1.00 | 0.35 | 9 | 10.28 | 1.25 | 0.42 | 3 | 10.24 | 0.72 | 0.42 |
| | 4 | 10 | 16.35 | 1.03 | 0.33 | 8 | 16.19 | 0.96 | 0.34 | 9 | 15.78 | 1.20 | 0.40 | 3 | 16.11 | 0.29 | 0.17 |
| | 5 | 9 | 22.72 | 0.91 | 0.30 | 7 | 21.64 | 2.01 | 0.76 | 8 | 22.06 | 2.04 | 0.72 | 3 | 22.14 | 0.54 | 0.31 |
| | 9 | 10 | 4.55 | 1.80 | 0.57 | 10 | 3.90 | 1.70 | 0.54 | 10 | 6.05 | 4.55 | 1.44 | 3 | 4.83 | 1.10 | 0.64 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
 TASK: 89-09
 DESCRIPTIVE STATISTICS FOR ANIMAL 122X DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
 CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | |
| Baseline | 1 | 9 | 2.11 | 0.55 | 0.18 | 8 | 2.56 | 0.78 | 0.27 | 8 | 2.19 | 0.65 | 0.23 |
| | 2 | 10 | 5.85 | 1.13 | 0.36 | 9 | 6.28 | 1.09 | 0.36 | 10 | 6.10 | 1.02 | 0.32 |
| | 3 | 10 | 10.45 | 1.17 | 0.37 | 9 | 10.00 | 0.79 | 0.26 | 10 | 11.05 | 1.38 | 0.44 |
| | 4 | 10 | 15.05 | 0.90 | 0.28 | 10 | 14.75 | 1.38 | 0.44 | 10 | 15.90 | 1.17 | 0.37 |
| | 5 | 10 | 20.85 | 1.20 | 0.38 | 10 | 21.70 | 1.83 | 0.58 | 10 | 22.65 | 1.81 | 0.57 |
| 30-Minute | 9 | 10 | 4.15 | 4.50 | 1.42 | 10 | 5.05 | 4.44 | 1.41 | 10 | 5.45 | 4.60 | 1.45 |
| | 1 | 7 | 2.36 | 0.75 | 0.28 | 10 | 2.00 | 0.67 | 0.21 | 10 | 2.00 | 0.53 | 0.17 |
| | 2 | 10 | 6.00 | 0.82 | 0.26 | 10 | 6.65 | 0.58 | 0.18 | 8 | 6.31 | 1.31 | 0.46 |
| | 3 | 10 | 10.55 | 1.57 | 0.50 | 10 | 10.20 | 1.27 | 0.40 | 9 | 10.22 | 1.25 | 0.42 |
| | 4 | 9 | 15.67 | 1.06 | 0.35 | 9 | 16.11 | 0.78 | 0.26 | 5 | 15.40 | 1.14 | 0.51 |
| 300-Minute | 5 | 9 | 19.72 | 1.33 | 0.44 | 9 | 21.67 | 1.97 | 0.66 | 9 | 22.00 | 1.32 | 0.44 |
| | 9 | 10 | 4.10 | 3.20 | 1.01 | 10 | 2.40 | 1.26 | 0.40 | 10 | 3.25 | 2.43 | 0.77 |
| | 1 | 9 | 2.33 | 0.83 | 0.28 | 9 | 2.28 | 0.67 | 0.22 | 10 | 2.20 | 0.82 | 0.26 |
| | 2 | 8 | 6.00 | 0.60 | 0.21 | 8 | 5.56 | 0.90 | 0.32 | 10 | 6.15 | 1.00 | 0.32 |
| | 3 | 9 | 11.00 | 1.22 | 0.41 | 9 | 10.33 | 1.09 | 0.36 | 10 | 10.40 | 1.07 | 0.34 |
| 600-Minute | 4 | 7 | 16.29 | 1.15 | 0.43 | 10 | 15.50 | 1.11 | 0.35 | 9 | 16.06 | 1.21 | 0.40 |
| | 5 | 5 | 23.50 | 0.71 | 0.32 | 10 | 21.50 | 2.32 | 0.73 | 10 | 22.20 | 1.78 | 0.56 |
| | 9 | 10 | 3.00 | 1.31 | 0.41 | 10 | 3.85 | 2.78 | 0.88 | 10 | 2.45 | 0.96 | 0.30 |
| | 1 | 7 | 2.21 | 0.57 | 0.21 | 7 | 1.79 | 0.57 | 0.21 | 8 | 2.12 | 0.64 | 0.23 |
| | 2 | 8 | 6.00 | 0.93 | 0.33 | 9 | 5.44 | 1.01 | 0.34 | 8 | 6.25 | 0.96 | 0.34 |
| | 3 | 10 | 10.60 | 1.33 | 0.42 | 10 | 10.15 | 1.08 | 0.34 | 9 | 10.22 | 1.54 | 0.51 |
| | 4 | 8 | 15.31 | 1.03 | 0.37 | 9 | 15.56 | 1.31 | 0.44 | 10 | 15.35 | 1.18 | 0.37 |
| | 5 | 9 | 22.00 | 1.27 | 0.42 | 10 | 22.45 | 1.62 | 0.51 | 8 | 21.81 | 1.83 | 0.65 |
| | 9 | 10 | 4.70 | 4.89 | 1.55 | 10 | 3.20 | 1.49 | 0.47 | 10 | 2.90 | 1.29 | 0.41 |
| | | | | | | | | | | | | | |
| | 1 | 3 | 2.29 | 0.24 | 0.14 | 3 | 2.29 | 0.24 | 0.14 | 3 | 2.29 | 0.24 | 0.14 |
| | 2 | 3 | 6.08 | 0.21 | 0.12 | 3 | 6.08 | 0.21 | 0.12 | 3 | 6.08 | 0.21 | 0.12 |
| | 3 | 10 | 10.50 | 0.53 | 0.30 | 10 | 10.50 | 0.53 | 0.30 | 10 | 10.50 | 0.53 | 0.30 |
| | 4 | 15 | 15.23 | 0.60 | 0.34 | 15 | 15.23 | 0.60 | 0.34 | 15 | 15.23 | 0.60 | 0.34 |
| | 5 | 21 | 21.73 | 0.90 | 0.52 | 21 | 21.73 | 0.90 | 0.52 | 21 | 21.73 | 0.90 | 0.52 |
| | 9 | 3 | 4.88 | 0.67 | 0.38 | 3 | 4.88 | 0.67 | 0.38 | 3 | 4.88 | 0.67 | 0.38 |
| | 1 | 3 | 2.12 | 0.21 | 0.12 | 3 | 2.12 | 0.21 | 0.12 | 3 | 2.12 | 0.21 | 0.12 |
| | 2 | 3 | 6.32 | 0.33 | 0.19 | 3 | 6.32 | 0.33 | 0.19 | 3 | 6.32 | 0.33 | 0.19 |
| | 3 | 10 | 10.32 | 0.20 | 0.11 | 10 | 10.32 | 0.20 | 0.11 | 10 | 10.32 | 0.20 | 0.11 |
| | 4 | 15 | 15.73 | 0.36 | 0.21 | 15 | 15.73 | 0.36 | 0.21 | 15 | 15.73 | 0.36 | 0.21 |
| | 5 | 21 | 21.13 | 1.23 | 0.71 | 21 | 21.13 | 1.23 | 0.71 | 21 | 21.13 | 1.23 | 0.71 |
| | 9 | 3 | 3.25 | 0.85 | 0.49 | 3 | 3.25 | 0.85 | 0.49 | 3 | 3.25 | 0.85 | 0.49 |
| | 1 | 3 | 2.27 | 0.07 | 0.04 | 3 | 2.27 | 0.07 | 0.04 | 3 | 2.27 | 0.07 | 0.04 |
| | 2 | 3 | 5.90 | 0.31 | 0.18 | 3 | 5.90 | 0.31 | 0.18 | 3 | 5.90 | 0.31 | 0.18 |
| | 3 | 10 | 10.58 | 0.37 | 0.21 | 10 | 10.58 | 0.37 | 0.21 | 10 | 10.58 | 0.37 | 0.21 |
| | 4 | 15 | 15.95 | 0.40 | 0.23 | 15 | 15.95 | 0.40 | 0.23 | 15 | 15.95 | 0.40 | 0.23 |
| | 5 | 22 | 22.40 | 1.01 | 0.59 | 22 | 22.40 | 1.01 | 0.59 | 22 | 22.40 | 1.01 | 0.59 |
| | 9 | 3 | 3.10 | 0.71 | 0.41 | 3 | 3.10 | 0.71 | 0.41 | 3 | 3.10 | 0.71 | 0.41 |
| | 1 | 3 | 2.04 | 0.23 | 0.13 | 3 | 2.04 | 0.23 | 0.13 | 3 | 2.04 | 0.23 | 0.13 |
| | 2 | 3 | 5.90 | 0.41 | 0.24 | 3 | 5.90 | 0.41 | 0.24 | 3 | 5.90 | 0.41 | 0.24 |
| | 3 | 10 | 10.32 | 0.24 | 0.14 | 10 | 10.32 | 0.24 | 0.14 | 10 | 10.32 | 0.24 | 0.14 |
| | 4 | 15 | 15.41 | 0.13 | 0.08 | 15 | 15.41 | 0.13 | 0.08 | 15 | 15.41 | 0.13 | 0.08 |
| | 5 | 22 | 22.09 | 0.33 | 0.19 | 22 | 22.09 | 0.33 | 0.19 | 22 | 22.09 | 0.33 | 0.19 |
| | 9 | 3 | 3.60 | 0.96 | 0.56 | 3 | 3.60 | 0.96 | 0.56 | 3 | 3.60 | 0.96 | 0.56 |
| | 1 | 3 | 2.04 | 0.23 | 0.13 | 3 | 2.04 | 0.23 | 0.13 | 3 | 2.04 | 0.23 | 0.13 |

PARAMETER = Peak Frequency
CHANNEL = 4

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 122X DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 23.89 | 23.59 | 7.46 | 10 | 17.51 | 10.30 | 3.26 | 10 | 10.92 | 5.55 | 1.75 |
| | 2 | 10 | 8.69 | 5.91 | 1.87 | 10 | 6.81 | 4.58 | 1.45 | 10 | 10.60 | 4.15 | 1.31 |
| | 3 | 10 | 8.48 | 9.18 | 2.90 | 10 | 7.55 | 3.20 | 1.01 | 10 | 7.52 | 4.31 | 1.36 |
| | 4 | 10 | 6.03 | 6.24 | 1.97 | 10 | 4.79 | 3.24 | 1.02 | 10 | 3.28 | 1.01 | 0.32 |
| | 5 | 10 | 10.37 | 13.37 | 4.23 | 10 | 4.64 | 1.97 | 0.62 | 10 | 3.37 | 2.59 | 0.82 |
| | 6 | 10 | 8.73 | 13.71 | 4.34 | 10 | 4.21 | 3.33 | 1.05 | 10 | 1.64 | 0.30 | 0.09 |
| | 7 | 10 | 42.50 | 68.58 | 21.69 | 10 | 17.80 | 14.93 | 4.72 | 10 | 4.91 | 4.05 | 1.28 |
| | 8 | 10 | 1.22 | 2.13 | 0.67 | 10 | 1.00 | 1.02 | 0.32 | 10 | 0.39 | 0.47 | 0.15 |
| | 9 | 10 | 57.46 | 38.47 | 12.17 | 10 | 41.30 | 17.20 | 5.44 | 10 | 35.69 | 11.68 | 3.69 |
| 30-Minute | 1 | 10 | 26.88 | 21.27 | 6.73 | 10 | 18.37 | 13.41 | 4.24 | 10 | 22.78 | 16.07 | 5.08 |
| | 2 | 10 | 8.86 | 4.71 | 1.49 | 10 | 10.08 | 5.62 | 1.78 | 10 | 15.54 | 10.68 | 3.38 |
| | 3 | 10 | 6.83 | 4.64 | 1.47 | 10 | 5.36 | 3.77 | 1.19 | 10 | 5.58 | 3.59 | 1.14 |
| | 4 | 10 | 1.69 | 1.03 | 0.33 | 10 | 2.65 | 1.74 | 0.55 | 10 | 1.94 | 0.90 | 0.28 |
| | 5 | 10 | 1.53 | 1.21 | 0.38 | 10 | 2.47 | 2.48 | 0.79 | 10 | 1.54 | 0.78 | 0.25 |
| | 6 | 10 | 0.83 | 0.87 | 0.28 | 10 | 1.17 | 1.02 | 0.32 | 10 | 0.50 | 0.43 | 0.14 |
| | 7 | 10 | 1.33 | 1.61 | 0.51 | 10 | 4.09 | 6.31 | 2.00 | 10 | 0.62 | 0.58 | 0.18 |
| | 8 | 10 | 0.04 | 0.13 | 0.04 | 10 | 0.03 | 0.09 | 0.03 | 10 | 0.00 | 0.00 | 0.00 |
| | 9 | 10 | 45.92 | 26.30 | 8.32 | 10 | 38.93 | 20.37 | 6.44 | 10 | 47.38 | 29.49 | 9.32 |
| 300-Minute | 1 | 10 | 19.97 | 14.68 | 4.64 | 10 | 14.14 | 7.46 | 2.36 | 10 | 24.23 | 9.54 | 3.02 |
| | 2 | 10 | 10.06 | 4.97 | 1.57 | 10 | 5.51 | 2.53 | 0.80 | 10 | 11.29 | 5.25 | 1.66 |
| | 3 | 10 | 4.38 | 3.27 | 1.04 | 10 | 3.22 | 1.26 | 0.40 | 10 | 4.98 | 2.97 | 0.94 |
| | 4 | 10 | 1.13 | 0.95 | 0.30 | 10 | 1.61 | 0.76 | 0.24 | 10 | 1.71 | 1.01 | 0.32 |
| | 5 | 10 | 1.15 | 0.86 | 0.27 | 10 | 2.09 | 1.44 | 0.46 | 10 | 1.37 | 1.19 | 0.38 |
| | 6 | 10 | 0.72 | 0.69 | 0.22 | 10 | 1.50 | 1.35 | 0.43 | 10 | 0.71 | 0.55 | 0.17 |
| | 7 | 10 | 1.05 | 0.79 | 0.25 | 10 | 3.56 | 4.42 | 1.40 | 10 | 1.49 | 3.26 | 1.03 |
| | 8 | 10 | 0.00 | 0.00 | 0.00 | 10 | 0.06 | 0.14 | 0.04 | 10 | 0.00 | 0.00 | 0.00 |
| | 9 | 10 | 36.69 | 21.20 | 6.70 | 10 | 26.57 | 9.67 | 3.06 | 10 | 43.57 | 14.64 | 4.63 |
| 600-Minute | 1 | 10 | 27.24 | 27.84 | 8.80 | 10 | 17.40 | 10.80 | 3.42 | 10 | 17.06 | 8.94 | 2.83 |
| | 2 | 10 | 12.81 | 13.17 | 4.16 | 10 | 5.43 | 2.28 | 0.72 | 10 | 6.16 | 3.24 | 1.02 |
| | 3 | 10 | 3.89 | 2.14 | 0.68 | 10 | 3.72 | 2.56 | 0.81 | 10 | 3.43 | 1.78 | 0.56 |
| | 4 | 10 | 1.17 | 0.67 | 0.21 | 10 | 1.43 | 0.92 | 0.29 | 10 | 1.31 | 0.48 | 0.15 |
| | 5 | 10 | 1.16 | 0.54 | 0.17 | 10 | 1.02 | 0.55 | 0.17 | 10 | 1.32 | 0.64 | 0.20 |
| | 6 | 10 | 1.13 | 0.91 | 0.29 | 10 | 0.64 | 0.52 | 0.17 | 10 | 0.74 | 0.56 | 0.18 |
| | 7 | 10 | 0.62 | 0.50 | 0.16 | 10 | 0.32 | 0.36 | 0.11 | 10 | 1.01 | 1.60 | 0.51 |
| | 8 | 10 | 0.00 | 0.00 | 0.00 | 10 | 0.00 | 0.00 | 0.00 | 10 | 0.00 | 0.00 | 0.00 |
| | 9 | 10 | 46.27 | 41.95 | 13.27 | 10 | 29.00 | 13.75 | 4.35 | 10 | 29.28 | 12.42 | 3.93 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 122X DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|-------|----|------------|-------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 28.28 | 26.14 | 8.27 | 10 | 21.27 | 11.55 | 3.65 | 10 | 16.94 | 8.18 | 2.59 |
| | 2 | 10 | 10.14 | 7.39 | 2.34 | 10 | 12.87 | 5.53 | 1.75 | 10 | 12.83 | 5.88 | 1.86 |
| | 3 | 10 | 7.42 | 4.63 | 1.46 | 10 | 11.94 | 8.19 | 2.59 | 10 | 10.20 | 7.10 | 2.24 |
| | 4 | 10 | 5.98 | 4.46 | 1.41 | 10 | 11.54 | 5.84 | 1.85 | 10 | 7.16 | 4.13 | 1.31 |
| | 5 | 10 | 11.36 | 15.04 | 4.76 | 10 | 14.04 | 8.98 | 2.84 | 10 | 6.52 | 3.44 | 1.09 |
| | 6 | 10 | 9.05 | 11.46 | 3.62 | 10 | 9.11 | 6.56 | 2.07 | 10 | 4.79 | 3.21 | 1.02 |
| | 7 | 10 | 34.57 | 46.99 | 14.86 | 10 | 50.75 | 36.09 | 11.41 | 10 | 26.17 | 20.52 | 6.49 |
| | 8 | 10 | 1.56 | 2.72 | 0.86 | 10 | 3.07 | 3.93 | 1.24 | 10 | 2.07 | 2.64 | 0.83 |
| | 9 | 10 | 63.17 | 54.81 | 17.33 | 10 | 71.67 | 33.97 | 10.74 | 10 | 53.64 | 21.97 | 6.95 |
| 30-Minute | 1 | 10 | 21.55 | 12.31 | 3.89 | 10 | 13.77 | 4.62 | 1.46 | 10 | 21.51 | 7.80 | 2.47 |
| | 2 | 10 | 6.99 | 4.45 | 1.41 | 10 | 8.78 | 5.10 | 1.61 | 10 | 10.48 | 6.15 | 1.94 |
| | 3 | 10 | 4.52 | 3.21 | 1.02 | 10 | 4.84 | 1.73 | 0.55 | 10 | 3.78 | 2.22 | 0.70 |
| | 4 | 10 | 2.59 | 2.46 | 0.78 | 10 | 3.09 | 1.16 | 0.37 | 10 | 1.03 | 0.88 | 0.28 |
| | 5 | 10 | 1.37 | 1.46 | 0.46 | 10 | 2.05 | 1.25 | 0.40 | 10 | 0.79 | 0.60 | 0.19 |
| | 6 | 10 | 1.14 | 1.50 | 0.48 | 10 | 1.32 | 0.62 | 0.19 | 10 | 0.15 | 0.33 | 0.10 |
| | 7 | 10 | 2.45 | 6.48 | 2.05 | 10 | 2.16 | 1.65 | 0.52 | 10 | 0.12 | 0.26 | 0.08 |
| | 8 | 10 | 0.14 | 0.43 | 0.14 | 10 | 0.00 | 0.00 | 0.00 | 10 | 0.00 | 0.00 | 0.00 |
| | 9 | 10 | 37.03 | 16.97 | 5.36 | 10 | 32.54 | 9.91 | 3.13 | 10 | 37.60 | 13.33 | 4.22 |
| 300-Minute | 1 | 10 | 24.23 | 13.75 | 4.35 | 10 | 19.81 | 7.87 | 2.49 | 10 | 22.80 | 11.09 | 3.51 |
| | 2 | 10 | 7.01 | 3.36 | 1.06 | 10 | 8.73 | 5.44 | 1.72 | 10 | 12.43 | 5.61 | 1.78 |
| | 3 | 10 | 3.22 | 2.47 | 0.78 | 10 | 4.46 | 2.86 | 0.91 | 10 | 6.07 | 1.44 | 0.46 |
| | 4 | 10 | 1.59 | 1.29 | 0.41 | 10 | 1.89 | 1.11 | 0.35 | 10 | 2.81 | 1.00 | 0.32 |
| | 5 | 10 | 0.86 | 1.08 | 0.34 | 10 | 1.21 | 0.86 | 0.27 | 10 | 1.75 | 0.77 | 0.24 |
| | 6 | 10 | 0.79 | 0.73 | 0.23 | 10 | 0.50 | 0.55 | 0.17 | 10 | 0.91 | 0.53 | 0.17 |
| | 7 | 10 | 1.10 | 1.65 | 0.52 | 10 | 1.20 | 1.35 | 0.43 | 10 | 1.75 | 1.87 | 0.59 |
| | 8 | 10 | 0.00 | 0.00 | 0.00 | 10 | 0.00 | 0.00 | 0.00 | 10 | 0.00 | 0.00 | 0.00 |
| | 9 | 10 | 36.90 | 12.74 | 4.03 | 10 | 36.11 | 13.64 | 4.31 | 10 | 45.85 | 14.96 | 4.73 |
| 600-Minute | 1 | 10 | 11.03 | 7.25 | 2.29 | 10 | 10.60 | 4.92 | 1.55 | 10 | 12.34 | 5.11 | 1.61 |
| | 2 | 10 | 8.96 | 4.03 | 1.27 | 10 | 8.51 | 3.60 | 1.14 | 10 | 6.01 | 2.22 | 0.70 |
| | 3 | 10 | 4.73 | 1.63 | 0.52 | 10 | 4.34 | 2.23 | 0.71 | 10 | 3.56 | 1.85 | 0.58 |
| | 4 | 10 | 1.59 | 0.43 | 0.14 | 10 | 1.88 | 0.75 | 0.24 | 10 | 1.31 | 0.63 | 0.20 |
| | 5 | 10 | 1.65 | 0.42 | 0.13 | 10 | 1.66 | 0.69 | 0.22 | 10 | 0.68 | 0.73 | 0.23 |
| | 6 | 10 | 0.92 | 0.48 | 0.15 | 10 | 1.01 | 0.64 | 0.20 | 10 | 0.70 | 0.47 | 0.15 |
| | 7 | 10 | 1.83 | 0.63 | 0.20 | 10 | 1.74 | 1.20 | 0.38 | 10 | 0.78 | 1.01 | 0.32 |
| | 8 | 10 | 0.01 | 0.02 | 0.01 | 10 | 0.01 | 0.02 | 0.01 | 10 | 0.00 | 0.00 | 0.00 |
| | 9 | 10 | 27.95 | 11.10 | 3.51 | 10 | 26.99 | 9.11 | 2.88 | 10 | 23.90 | 6.38 | 2.02 |
| | 1 | 10 | 22.28 | 11.09 | 3.51 | 10 | 22.80 | 11.09 | 3.51 | 10 | 22.28 | 11.09 | 3.51 |
| | 2 | 10 | 9.39 | 2.77 | 1.60 | 10 | 9.39 | 2.77 | 1.60 | 10 | 9.39 | 2.77 | 1.60 |
| | 3 | 10 | 4.58 | 1.43 | 0.83 | 10 | 4.58 | 1.43 | 0.83 | 10 | 4.58 | 1.43 | 0.83 |
| | 4 | 10 | 2.10 | 0.64 | 0.37 | 10 | 2.10 | 0.64 | 0.37 | 10 | 2.10 | 0.64 | 0.37 |
| | 5 | 10 | 0.73 | 0.21 | 0.12 | 10 | 0.73 | 0.21 | 0.12 | 10 | 0.73 | 0.21 | 0.12 |
| | 6 | 10 | 1.35 | 0.35 | 0.20 | 10 | 1.35 | 0.35 | 0.20 | 10 | 1.35 | 0.35 | 0.20 |
| | 7 | 10 | 0.00 | 0.00 | 0.00 | 10 | 0.00 | 0.00 | 0.00 | 10 | 0.00 | 0.00 | 0.00 |
| | 8 | 10 | 39.62 | 5.41 | 3.12 | 10 | 39.62 | 5.41 | 3.12 | 10 | 39.62 | 5.41 | 3.12 |
| | 9 | 10 | 11.32 | 0.91 | 0.52 | 10 | 11.32 | 0.91 | 0.52 | 10 | 11.32 | 0.91 | 0.52 |
| | 1 | 10 | 7.83 | 1.59 | 0.92 | 10 | 7.83 | 1.59 | 0.92 | 10 | 7.83 | 1.59 | 0.92 |
| | 2 | 10 | 4.21 | 0.60 | 0.34 | 10 | 4.21 | 0.60 | 0.34 | 10 | 4.21 | 0.60 | 0.34 |
| | 3 | 10 | 1.59 | 0.28 | 0.16 | 10 | 1.59 | 0.28 | 0.16 | 10 | 1.59 | 0.28 | 0.16 |
| | 4 | 10 | 1.33 | 0.56 | 0.33 | 10 | 1.33 | 0.56 | 0.33 | 10 | 1.33 | 0.56 | 0.33 |
| | 5 | 10 | 0.88 | 0.16 | 0.09 | 10 | 0.88 | 0.16 | 0.09 | 10 | 0.88 | 0.16 | 0.09 |
| | 6 | 10 | 1.45 | 0.58 | 0.33 | 10 | 1.45 | 0.58 | 0.33 | 10 | 1.45 | 0.58 | 0.33 |
| | 7 | 10 | 0.00 | 0.00 | 0.00 | 10 | 0.00 | 0.00 | 0.00 | 10 | 0.00 | 0.00 | 0.00 |
| | 8 | 10 | 26.28 | 2.12 | 1.22 | 10 | 26.28 | 2.12 | 1.22 | 10 | 26.28 | 2.12 | 1.22 |
| | 9 | 10 | 11.32 | 0.91 | 0.52 | 10 | 11.32 | 0.91 | 0.52 | 10 | 11.32 | 0.91 | 0.52 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 122X DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|---|-------|-------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 31.46 | 20.74 | 6.56 | 10 | 19.73 | 7.49 | 2.37 | 10 | 21.89 | 10.53 | 3.33 | 3 | 24.36 | 6.24 | 3.60 |
| | 2 | 10 | 15.23 | 6.87 | 2.17 | 10 | 14.20 | 3.81 | 1.21 | 10 | 14.16 | 5.75 | 1.82 | 3 | 14.53 | 0.60 | 0.35 |
| | 3 | 10 | 10.04 | 3.15 | 1.00 | 10 | 11.95 | 5.87 | 1.85 | 10 | 9.50 | 3.05 | 0.96 | 3 | 10.49 | 1.29 | 0.74 |
| | 4 | 10 | 11.32 | 8.85 | 2.80 | 10 | 8.73 | 5.51 | 1.74 | 10 | 6.73 | 2.65 | 0.84 | 3 | 8.93 | 2.30 | 1.33 |
| | 5 | 10 | 12.57 | 15.14 | 4.79 | 10 | 6.69 | 3.21 | 1.01 | 10 | 5.16 | 1.40 | 0.44 | 3 | 8.14 | 3.91 | 2.26 |
| | 6 | 10 | 9.47 | 9.84 | 3.11 | 10 | 5.15 | 4.92 | 1.55 | 10 | 3.49 | 1.63 | 0.52 | 3 | 6.04 | 3.09 | 1.78 |
| | 7 | 10 | 39.77 | 43.71 | 13.82 | 10 | 27.69 | 26.66 | 8.43 | 10 | 13.95 | 8.74 | 2.76 | 3 | 27.14 | 12.92 | 7.46 |
| | 8 | 10 | 1.27 | 1.02 | 0.32 | 10 | 1.44 | 1.81 | 0.57 | 10 | 0.67 | 0.70 | 0.22 | 3 | 1.13 | 0.40 | 0.23 |
| | 9 | 10 | 80.62 | 49.13 | 15.54 | 10 | 61.30 | 17.59 | 5.56 | 10 | 57.44 | 12.36 | 3.91 | 3 | 66.45 | 12.42 | 7.17 |
| 30-Minute | 1 | 10 | 33.38 | 24.89 | 7.87 | 10 | 29.34 | 7.98 | 2.52 | 10 | 29.96 | 16.91 | 5.35 | 3 | 30.90 | 2.17 | 1.25 |
| | 2 | 10 | 14.05 | 6.27 | 1.98 | 10 | 15.81 | 5.62 | 1.78 | 10 | 17.62 | 7.88 | 2.49 | 3 | 15.83 | 1.79 | 1.03 |
| | 3 | 10 | 14.17 | 7.37 | 2.33 | 10 | 8.73 | 3.26 | 1.03 | 10 | 9.12 | 4.22 | 1.33 | 3 | 10.67 | 3.03 | 1.75 |
| | 4 | 10 | 5.13 | 2.83 | 0.89 | 10 | 4.17 | 1.98 | 0.63 | 10 | 2.24 | 1.03 | 0.33 | 3 | 3.85 | 1.47 | 0.85 |
| | 5 | 10 | 3.63 | 2.07 | 0.66 | 10 | 4.13 | 2.40 | 0.76 | 10 | 1.85 | 1.07 | 0.34 | 3 | 3.20 | 1.20 | 0.69 |
| | 6 | 10 | 2.33 | 1.58 | 0.50 | 10 | 2.45 | 1.39 | 0.44 | 10 | 1.05 | 0.68 | 0.21 | 3 | 1.94 | 0.78 | 0.45 |
| | 7 | 10 | 3.70 | 3.51 | 1.11 | 10 | 4.86 | 5.45 | 1.72 | 10 | 1.37 | 1.21 | 0.38 | 3 | 3.31 | 1.78 | 1.03 |
| | 8 | 10 | 0.15 | 0.35 | 0.11 | 10 | 0.01 | 0.05 | 0.01 | 10 | 0.00 | 0.00 | 0.00 | 3 | 0.06 | 0.08 | 0.05 |
| | 9 | 10 | 70.94 | 31.98 | 10.11 | 10 | 62.18 | 9.26 | 2.93 | 10 | 60.80 | 17.69 | 5.59 | 3 | 64.64 | 5.50 | 3.17 |
| 300-Minute | 1 | 10 | 45.95 | 32.20 | 10.18 | 10 | 26.15 | 12.91 | 4.08 | 10 | 41.61 | 15.71 | 4.97 | 3 | 37.90 | 10.40 | 6.01 |
| | 2 | 10 | 16.55 | 6.91 | 2.18 | 10 | 13.84 | 4.16 | 1.32 | 10 | 21.70 | 15.39 | 4.87 | 3 | 17.36 | 3.99 | 2.31 |
| | 3 | 10 | 6.20 | 3.49 | 1.10 | 10 | 7.12 | 4.00 | 1.27 | 10 | 8.47 | 2.53 | 0.80 | 3 | 7.27 | 1.14 | 0.66 |
| | 4 | 10 | 3.11 | 2.53 | 0.80 | 10 | 4.93 | 2.87 | 0.91 | 10 | 4.81 | 1.33 | 0.42 | 3 | 4.28 | 1.02 | 0.59 |
| | 5 | 10 | 1.50 | 1.29 | 0.41 | 10 | 3.42 | 1.51 | 0.48 | 10 | 3.72 | 2.03 | 0.64 | 3 | 2.88 | 1.20 | 0.69 |
| | 6 | 10 | 1.22 | 0.95 | 0.30 | 10 | 2.09 | 1.08 | 0.34 | 10 | 1.86 | 1.69 | 0.54 | 3 | 1.72 | 0.45 | 0.26 |
| | 7 | 10 | 1.39 | 1.79 | 0.57 | 10 | 4.09 | 3.00 | 0.95 | 10 | 3.34 | 2.63 | 0.83 | 3 | 2.94 | 1.39 | 0.80 |
| | 8 | 10 | 0.01 | 0.03 | 0.01 | 10 | 0.02 | 0.07 | 0.02 | 10 | 0.00 | 0.00 | 0.00 | 3 | 0.01 | 0.01 | 0.01 |
| | 9 | 10 | 73.31 | 39.24 | 12.41 | 10 | 55.46 | 13.51 | 4.27 | 10 | 80.30 | 31.17 | 9.86 | 3 | 69.69 | 12.81 | 7.39 |
| 600-Minute | 1 | 10 | 34.66 | 17.33 | 5.48 | 10 | 26.83 | 13.08 | 4.14 | 10 | 23.64 | 12.37 | 3.91 | 3 | 28.38 | 5.67 | 3.27 |
| | 2 | 10 | 14.41 | 7.20 | 2.28 | 10 | 16.09 | 6.36 | 2.01 | 10 | 11.64 | 3.90 | 1.23 | 3 | 14.05 | 2.25 | 1.30 |
| | 3 | 10 | 9.18 | 1.51 | 0.48 | 10 | 9.83 | 5.09 | 1.61 | 10 | 6.28 | 2.08 | 0.66 | 3 | 8.43 | 1.89 | 1.09 |
| | 4 | 10 | 4.60 | 2.08 | 0.66 | 10 | 3.53 | 1.78 | 0.56 | 10 | 2.97 | 1.38 | 0.44 | 3 | 3.70 | 0.83 | 0.48 |
| | 5 | 10 | 2.54 | 1.25 | 0.39 | 10 | 2.95 | 1.07 | 0.34 | 10 | 1.74 | 1.70 | 0.54 | 3 | 2.41 | 0.62 | 0.36 |
| | 6 | 10 | 2.17 | 0.93 | 0.29 | 10 | 1.69 | 0.80 | 0.25 | 10 | 0.96 | 0.86 | 0.27 | 3 | 1.60 | 0.61 | 0.35 |
| | 7 | 10 | 2.32 | 1.22 | 0.39 | 10 | 2.16 | 1.14 | 0.36 | 10 | 1.71 | 1.54 | 0.49 | 3 | 2.06 | 0.32 | 0.18 |
| | 8 | 10 | 0.00 | 0.00 | 0.00 | 10 | 0.00 | 0.00 | 0.00 | 10 | 0.00 | 0.00 | 0.00 | 3 | 0.00 | 0.00 | 0.00 |
| | 9 | 10 | 65.40 | 22.32 | 7.06 | 10 | 59.23 | 17.84 | 5.64 | 10 | 46.27 | 12.41 | 3.93 | 3 | 56.97 | 9.76 | 5.64 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 122X DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|-------|----|------------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 33.91 | 13.95 | 4.41 | 10 | 20.47 | 10.58 | 3.34 | 10 | 21.26 | 11.18 | 3.53 |
| | 2 | 10 | 13.26 | 7.56 | 2.39 | 10 | 14.71 | 5.91 | 1.87 | 10 | 16.52 | 9.21 | 2.91 |
| | 3 | 10 | 12.97 | 4.28 | 1.35 | 10 | 13.91 | 6.58 | 2.08 | 10 | 12.80 | 5.41 | 1.71 |
| | 4 | 10 | 8.71 | 5.04 | 1.60 | 10 | 10.52 | 6.25 | 1.98 | 10 | 6.70 | 2.92 | 0.92 |
| | 5 | 10 | 9.74 | 9.71 | 3.07 | 10 | 12.23 | 11.93 | 3.77 | 10 | 5.55 | 1.60 | 0.51 |
| | 6 | 10 | 8.35 | 8.91 | 2.82 | 10 | 7.21 | 6.46 | 2.04 | 10 | 3.75 | 1.85 | 0.58 |
| | 7 | 10 | 37.42 | 31.51 | 9.97 | 10 | 44.76 | 42.99 | 13.59 | 10 | 16.87 | 13.61 | 4.31 |
| | 8 | 10 | 1.71 | 1.47 | 0.47 | 10 | 1.80 | 2.31 | 0.73 | 10 | 0.92 | 1.16 | 0.37 |
| | 9 | 10 | 78.59 | 33.48 | 10.59 | 10 | 71.84 | 34.70 | 10.97 | 10 | 62.82 | 20.52 | 6.49 |
| 30-Minute | 1 | 10 | 35.71 | 24.60 | 7.78 | 10 | 28.85 | 10.58 | 3.35 | 10 | 33.72 | 14.70 | 4.65 |
| | 2 | 10 | 16.22 | 7.90 | 2.50 | 10 | 18.43 | 5.90 | 1.87 | 10 | 20.27 | 10.71 | 3.39 |
| | 3 | 10 | 14.60 | 7.41 | 2.34 | 10 | 10.15 | 3.41 | 1.08 | 10 | 9.66 | 4.30 | 1.36 |
| | 4 | 10 | 4.73 | 1.48 | 0.47 | 10 | 4.40 | 2.01 | 0.64 | 10 | 2.46 | 1.66 | 0.53 |
| | 5 | 10 | 4.42 | 2.08 | 0.66 | 10 | 4.71 | 2.55 | 0.81 | 10 | 2.25 | 1.35 | 0.43 |
| | 6 | 10 | 2.25 | 1.63 | 0.51 | 10 | 2.73 | 1.12 | 0.35 | 10 | 1.42 | 0.88 | 0.28 |
| | 7 | 10 | 5.61 | 6.11 | 1.93 | 10 | 6.54 | 3.75 | 1.19 | 10 | 1.19 | 1.16 | 0.37 |
| | 8 | 10 | 0.18 | 0.51 | 0.16 | 10 | 0.06 | 0.10 | 0.03 | 10 | 0.00 | 0.00 | 0.00 |
| | 9 | 10 | 75.98 | 36.94 | 11.68 | 10 | 66.54 | 13.70 | 4.33 | 10 | 68.35 | 22.95 | 7.26 |
| 300-Minute | 1 | 10 | 45.77 | 30.64 | 9.69 | 10 | 30.51 | 16.43 | 5.19 | 10 | 44.37 | 23.81 | 7.53 |
| | 2 | 10 | 19.76 | 11.56 | 3.65 | 10 | 14.64 | 5.77 | 1.83 | 10 | 25.28 | 18.45 | 5.83 |
| | 3 | 10 | 8.94 | 4.36 | 1.38 | 10 | 8.02 | 3.69 | 1.17 | 10 | 9.98 | 4.00 | 1.26 |
| | 4 | 10 | 3.17 | 2.02 | 0.64 | 10 | 4.34 | 3.20 | 1.01 | 10 | 4.89 | 2.42 | 0.77 |
| | 5 | 10 | 2.40 | 2.03 | 0.64 | 10 | 3.68 | 1.88 | 0.60 | 10 | 3.74 | 1.33 | 0.42 |
| | 6 | 10 | 1.65 | 0.95 | 0.30 | 10 | 2.73 | 1.13 | 0.36 | 10 | 2.16 | 1.54 | 0.49 |
| | 7 | 10 | 1.77 | 1.64 | 0.52 | 10 | 4.29 | 3.03 | 0.96 | 10 | 3.99 | 3.59 | 1.14 |
| | 8 | 10 | 0.00 | 0.00 | 0.00 | 10 | 0.00 | 0.00 | 0.00 | 10 | 0.00 | 0.00 | 0.00 |
| | 9 | 10 | 80.04 | 40.35 | 12.76 | 10 | 61.20 | 21.75 | 6.88 | 10 | 88.27 | 44.66 | 14.12 |
| 600-Minute | 1 | 10 | 33.81 | 17.08 | 5.40 | 10 | 26.72 | 13.59 | 4.30 | 10 | 28.95 | 14.54 | 4.60 |
| | 2 | 10 | 11.24 | 5.40 | 1.71 | 10 | 16.65 | 8.39 | 2.65 | 10 | 14.54 | 6.43 | 2.03 |
| | 3 | 10 | 8.62 | 2.99 | 0.94 | 10 | 9.46 | 4.77 | 1.51 | 10 | 7.15 | 2.80 | 0.89 |
| | 4 | 10 | 4.17 | 1.85 | 0.58 | 10 | 3.74 | 1.69 | 0.53 | 10 | 3.45 | 1.70 | 0.54 |
| | 5 | 10 | 3.32 | 1.31 | 0.42 | 10 | 3.41 | 0.76 | 0.24 | 10 | 2.29 | 1.62 | 0.51 |
| | 6 | 10 | 2.12 | 0.91 | 0.29 | 10 | 2.11 | 0.48 | 0.15 | 10 | 1.07 | 0.90 | 0.28 |
| | 7 | 10 | 4.01 | 2.09 | 0.66 | 10 | 3.73 | 1.80 | 0.57 | 10 | 3.05 | 3.03 | 0.96 |
| | 8 | 10 | 0.00 | 0.00 | 0.00 | 10 | 0.02 | 0.07 | 0.02 | 10 | 0.01 | 0.03 | 0.01 |
| | 9 | 10 | 61.16 | 24.23 | 7.66 | 10 | 59.98 | 20.68 | 6.54 | 10 | 56.38 | 16.86 | 5.33 |

Animal 4E5

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 4E5 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | |
| Baseline | 1 | 10 | 25.15 | 9.63 | 3.04 | 10 | 28.90 | 10.86 | 3.44 | 10 | 32.47 | 12.24 | 3.87 | 2.11 |
| | 2 | 10 | 12.99 | 3.61 | 1.14 | 10 | 13.06 | 3.71 | 1.17 | 10 | 14.45 | 4.81 | 1.52 | 0.47 |
| | 3 | 10 | 15.00 | 5.54 | 1.75 | 10 | 18.00 | 3.77 | 1.19 | 10 | 15.25 | 6.76 | 2.14 | 0.96 |
| | 4 | 10 | 16.83 | 5.19 | 1.64 | 10 | 16.08 | 5.64 | 1.78 | 10 | 13.14 | 6.17 | 1.95 | 1.13 |
| | 5 | 10 | 30.04 | 12.44 | 3.93 | 10 | 23.95 | 11.54 | 3.65 | 10 | 24.69 | 10.36 | 3.28 | 1.92 |
| 30-Minute | 1 | 10 | 13.33 | 5.67 | 1.79 | 10 | 20.02 | 9.26 | 2.93 | 10 | 17.08 | 9.81 | 3.10 | 1.94 |
| | 2 | 10 | 12.14 | 3.07 | 0.97 | 10 | 10.64 | 2.94 | 0.93 | 10 | 13.77 | 6.31 | 2.00 | 0.91 |
| | 3 | 10 | 13.66 | 4.45 | 1.41 | 10 | 16.58 | 6.18 | 1.96 | 10 | 16.01 | 3.93 | 1.24 | 0.90 |
| | 4 | 10 | 18.13 | 4.07 | 1.29 | 10 | 19.49 | 5.89 | 1.86 | 10 | 17.60 | 5.56 | 1.76 | 0.56 |
| | 5 | 10 | 42.74 | 5.87 | 1.86 | 10 | 33.27 | 7.74 | 2.45 | 10 | 35.53 | 11.42 | 3.61 | 2.86 |
| 90-Minute | 1 | 10 | 16.04 | 5.26 | 1.66 | 10 | 21.08 | 12.25 | 3.87 | 10 | 17.93 | 6.28 | 1.99 | 1.47 |
| | 2 | 10 | 11.51 | 3.57 | 1.13 | 10 | 12.60 | 3.38 | 1.07 | 10 | 11.51 | 2.12 | 0.67 | 0.36 |
| | 3 | 10 | 11.69 | 3.68 | 1.16 | 10 | 13.99 | 3.46 | 1.09 | 10 | 14.08 | 6.05 | 1.91 | 0.78 |
| | 4 | 10 | 14.88 | 6.48 | 2.05 | 10 | 15.69 | 5.20 | 1.65 | 10 | 16.80 | 4.40 | 1.39 | 0.56 |
| | 5 | 10 | 45.88 | 11.62 | 3.68 | 10 | 36.64 | 12.40 | 3.92 | 10 | 39.68 | 9.64 | 3.05 | 2.72 |
| 300-Minute | 1 | 10 | 10.06 | 3.46 | 1.09 | 10 | 15.31 | 9.25 | 2.93 | 10 | 16.52 | 7.57 | 2.39 | 1.98 |
| | 2 | 10 | 10.80 | 3.80 | 1.20 | 10 | 12.26 | 3.87 | 1.22 | 10 | 14.47 | 6.66 | 2.10 | 1.07 |
| | 3 | 10 | 15.80 | 6.27 | 1.98 | 10 | 16.25 | 4.88 | 1.54 | 10 | 14.33 | 4.77 | 1.51 | 0.58 |
| | 4 | 10 | 18.90 | 7.14 | 2.26 | 10 | 16.35 | 3.71 | 1.17 | 10 | 14.56 | 4.26 | 1.35 | 1.26 |
| | 5 | 10 | 44.43 | 8.23 | 2.60 | 10 | 39.82 | 8.63 | 2.73 | 10 | 40.12 | 14.86 | 4.70 | 1.49 |
| 600-Minute | 1 | 10 | 17.36 | 7.92 | 2.50 | 10 | 16.04 | 5.66 | 1.79 | 10 | 31.57 | 12.10 | 3.82 | 4.97 |
| | 2 | 10 | 10.97 | 3.44 | 1.09 | 10 | 12.86 | 3.68 | 1.16 | 10 | 16.75 | 4.01 | 1.27 | 1.70 |
| | 3 | 10 | 15.61 | 5.20 | 1.64 | 10 | 13.67 | 4.64 | 1.47 | 10 | 16.34 | 6.58 | 2.08 | 0.80 |
| | 4 | 10 | 17.83 | 4.88 | 1.54 | 10 | 15.67 | 5.04 | 1.59 | 10 | 17.77 | 6.42 | 2.03 | 0.71 |
| | 5 | 10 | 38.23 | 4.70 | 1.49 | 10 | 41.76 | 6.84 | 2.16 | 10 | 17.56 | 9.41 | 2.97 | 7.55 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 4E5 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|-------|------|-------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | |
| Baseline | 1 | 10 | 22.04 | 7.43 | 2.35 | 10 | 27.01 | 12.96 | 4.10 | 10 | 19.46 | 8.51 | 2.69 | 3.84 | 2.22 |
| | 2 | 10 | 11.16 | 4.44 | 1.41 | 10 | 13.87 | 2.92 | 0.92 | 10 | 15.84 | 8.34 | 2.64 | 2.35 | 1.35 |
| | 3 | 10 | 16.56 | 8.31 | 2.63 | 10 | 22.12 | 6.82 | 2.16 | 10 | 17.13 | 5.97 | 1.89 | 3.06 | 1.77 |
| | 4 | 10 | 29.05 | 7.77 | 2.46 | 10 | 22.45 | 7.55 | 2.39 | 10 | 27.86 | 10.56 | 3.34 | 3.52 | 2.03 |
| | 5 | 10 | 21.19 | 6.50 | 2.06 | 10 | 14.55 | 6.01 | 1.90 | 10 | 19.72 | 11.34 | 3.59 | 3.49 | 2.01 |
| 30-Minute | 1 | 10 | 18.48 | 7.34 | 2.32 | 10 | 16.79 | 8.03 | 2.54 | 10 | 20.30 | 11.03 | 3.49 | 1.76 | 1.01 |
| | 2 | 10 | 13.21 | 3.69 | 1.17 | 10 | 12.79 | 4.79 | 1.51 | 10 | 13.11 | 5.52 | 1.75 | 0.22 | 0.13 |
| | 3 | 10 | 20.09 | 6.14 | 1.94 | 10 | 17.38 | 3.33 | 1.05 | 10 | 16.21 | 6.63 | 2.10 | 1.99 | 1.15 |
| | 4 | 10 | 25.29 | 7.54 | 2.38 | 10 | 28.79 | 8.90 | 2.81 | 10 | 32.10 | 9.66 | 3.05 | 3.41 | 1.97 |
| | 5 | 10 | 22.94 | 5.52 | 1.74 | 10 | 24.26 | 9.27 | 2.93 | 10 | 18.28 | 6.39 | 2.02 | 3.14 | 1.81 |
| 90-Minute | 1 | 10 | 15.52 | 5.00 | 1.58 | 10 | 17.89 | 4.07 | 1.29 | 10 | 16.25 | 8.27 | 2.62 | 1.22 | 0.70 |
| | 2 | 10 | 13.12 | 4.77 | 1.51 | 10 | 13.21 | 4.75 | 1.50 | 10 | 12.06 | 4.30 | 1.36 | 0.64 | 0.37 |
| | 3 | 10 | 14.83 | 6.21 | 1.96 | 10 | 16.64 | 5.96 | 1.89 | 10 | 16.30 | 7.36 | 2.33 | 0.96 | 0.56 |
| | 4 | 10 | 23.64 | 5.41 | 1.71 | 10 | 26.95 | 6.95 | 2.20 | 10 | 31.58 | 7.54 | 2.39 | 3.99 | 2.30 |
| | 5 | 10 | 32.89 | 6.96 | 2.20 | 10 | 25.31 | 8.40 | 2.66 | 10 | 23.80 | 6.87 | 2.17 | 27.34 | 2.81 |
| 300-Minute | 1 | 10 | 15.96 | 5.05 | 1.60 | 10 | 16.55 | 6.95 | 2.20 | 10 | 16.70 | 4.82 | 1.52 | 0.39 | 0.23 |
| | 2 | 10 | 13.47 | 5.05 | 1.60 | 10 | 11.98 | 4.59 | 1.45 | 10 | 13.67 | 5.60 | 1.77 | 0.93 | 0.53 |
| | 3 | 10 | 16.86 | 3.50 | 1.11 | 10 | 16.03 | 6.09 | 1.93 | 10 | 15.64 | 3.72 | 1.18 | 0.62 | 0.36 |
| | 4 | 10 | 29.50 | 8.17 | 2.58 | 10 | 30.44 | 8.71 | 2.75 | 10 | 27.11 | 9.27 | 2.93 | 1.72 | 0.99 |
| | 5 | 10 | 24.21 | 7.79 | 2.46 | 10 | 25.00 | 5.06 | 1.60 | 10 | 26.87 | 8.39 | 2.65 | 1.37 | 0.79 |
| 600-Minute | 1 | 10 | 17.69 | 5.70 | 1.80 | 10 | 18.39 | 6.28 | 1.99 | 10 | 31.93 | 10.78 | 3.41 | 8.03 | 4.64 |
| | 2 | 10 | 15.75 | 4.41 | 1.39 | 10 | 17.80 | 5.19 | 1.64 | 10 | 17.34 | 6.94 | 2.19 | 1.08 | 0.62 |
| | 3 | 10 | 19.54 | 4.97 | 1.57 | 10 | 16.30 | 4.67 | 1.48 | 10 | 17.91 | 7.08 | 2.24 | 1.62 | 0.94 |
| | 4 | 10 | 22.78 | 5.75 | 1.82 | 10 | 29.13 | 10.65 | 3.37 | 10 | 18.46 | 6.52 | 2.06 | 3.46 | 3.10 |
| | 5 | 10 | 24.24 | 7.01 | 2.22 | 10 | 18.39 | 4.08 | 1.29 | 10 | 14.35 | 8.06 | 2.55 | 19.00 | 2.87 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
 TASK: 89-09
 DESCRIPTIVE STATISTICS FOR ANIMAL 4E5 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
 CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | |
| Baseline | 1 | 10 | 21.55 | 6.13 | 1.94 | 10 | 25.23 | 7.70 | 2.43 | 10 | 34.45 | 15.49 | 4.90 |
| | 2 | 10 | 13.11 | 7.00 | 2.21 | 10 | 15.93 | 6.21 | 1.96 | 10 | 15.77 | 7.32 | 2.31 |
| | 3 | 10 | 15.22 | 3.73 | 1.18 | 10 | 15.68 | 3.69 | 1.17 | 10 | 14.85 | 6.23 | 1.97 |
| | 4 | 10 | 16.04 | 6.91 | 2.19 | 10 | 15.36 | 4.70 | 1.48 | 10 | 14.31 | 6.67 | 2.11 |
| | 5 | 10 | 34.08 | 8.02 | 2.54 | 10 | 27.81 | 6.82 | 2.16 | 10 | 20.63 | 8.39 | 2.65 |
| 30-Minute | 1 | 10 | 18.87 | 11.49 | 3.63 | 10 | 15.20 | 6.74 | 2.13 | 10 | 16.82 | 5.97 | 1.89 |
| | 2 | 10 | 14.28 | 4.27 | 1.35 | 10 | 14.14 | 4.43 | 1.40 | 10 | 12.36 | 3.93 | 1.24 |
| | 3 | 10 | 14.90 | 6.59 | 2.08 | 10 | 18.85 | 4.31 | 1.36 | 10 | 15.84 | 5.89 | 1.86 |
| | 4 | 10 | 14.10 | 4.02 | 1.27 | 10 | 16.01 | 3.99 | 1.26 | 10 | 19.74 | 4.20 | 1.33 |
| | 5 | 10 | 37.85 | 11.48 | 3.63 | 10 | 35.80 | 9.56 | 3.02 | 10 | 35.24 | 8.60 | 2.72 |
| 90-Minute | 1 | 10 | 11.46 | 5.97 | 1.89 | 10 | 18.50 | 5.20 | 1.65 | 10 | 18.96 | 4.88 | 1.54 |
| | 2 | 10 | 11.64 | 4.07 | 1.29 | 10 | 13.76 | 5.47 | 1.73 | 10 | 15.19 | 4.33 | 1.37 |
| | 3 | 10 | 14.88 | 3.68 | 1.16 | 10 | 12.21 | 4.02 | 1.27 | 10 | 14.37 | 4.63 | 1.46 |
| | 4 | 10 | 17.11 | 4.29 | 1.36 | 10 | 14.88 | 3.53 | 1.12 | 10 | 16.35 | 4.95 | 1.56 |
| | 5 | 10 | 44.91 | 7.93 | 2.51 | 10 | 40.65 | 6.15 | 1.94 | 10 | 35.12 | 8.33 | 2.64 |
| 300-Minute | 1 | 10 | 12.50 | 3.53 | 1.12 | 10 | 12.90 | 5.73 | 1.81 | 10 | 17.20 | 4.89 | 1.55 |
| | 2 | 10 | 13.84 | 4.88 | 1.54 | 10 | 14.09 | 6.81 | 2.15 | 10 | 14.26 | 4.46 | 1.41 |
| | 3 | 10 | 19.23 | 6.31 | 1.99 | 10 | 16.74 | 5.96 | 1.88 | 10 | 17.04 | 5.73 | 1.81 |
| | 4 | 10 | 17.40 | 4.23 | 1.34 | 10 | 18.10 | 3.66 | 1.16 | 10 | 17.02 | 6.68 | 2.11 |
| | 5 | 10 | 37.04 | 7.42 | 2.35 | 10 | 38.17 | 7.80 | 2.47 | 10 | 34.48 | 12.44 | 3.93 |
| 600-Minute | 1 | 10 | 14.74 | 6.47 | 2.05 | 10 | 19.28 | 8.61 | 2.72 | 10 | 27.48 | 11.78 | 3.73 |
| | 2 | 10 | 11.31 | 3.66 | 1.16 | 10 | 15.66 | 4.68 | 1.48 | 10 | 18.65 | 8.37 | 2.65 |
| | 3 | 10 | 15.23 | 4.35 | 1.38 | 10 | 13.40 | 4.84 | 1.53 | 10 | 23.03 | 8.87 | 2.81 |
| | 4 | 10 | 23.13 | 5.72 | 1.81 | 10 | 16.11 | 4.13 | 1.31 | 10 | 16.74 | 5.66 | 1.79 |
| | 5 | 10 | 35.59 | 9.11 | 2.88 | 10 | 35.55 | 9.55 | 3.02 | 10 | 14.11 | 9.26 | 2.93 |
| | 1 | 10 | 18.87 | 11.49 | 3.63 | 10 | 15.20 | 6.74 | 2.13 | 10 | 16.82 | 5.97 | 1.89 |
| | 2 | 10 | 14.28 | 4.27 | 1.35 | 10 | 14.14 | 4.43 | 1.40 | 10 | 12.36 | 3.93 | 1.24 |
| | 3 | 10 | 14.90 | 6.59 | 2.08 | 10 | 18.85 | 4.31 | 1.36 | 10 | 15.84 | 5.89 | 1.86 |
| | 4 | 10 | 14.10 | 4.02 | 1.27 | 10 | 16.01 | 3.99 | 1.26 | 10 | 19.74 | 4.20 | 1.33 |
| | 5 | 10 | 37.85 | 11.48 | 3.63 | 10 | 35.80 | 9.56 | 3.02 | 10 | 35.24 | 8.60 | 2.72 |
| | 1 | 10 | 11.46 | 5.97 | 1.89 | 10 | 18.50 | 5.20 | 1.65 | 10 | 18.96 | 4.88 | 1.54 |
| | 2 | 10 | 11.64 | 4.07 | 1.29 | 10 | 13.76 | 5.47 | 1.73 | 10 | 15.19 | 4.33 | 1.37 |
| | 3 | 10 | 14.88 | 3.68 | 1.16 | 10 | 12.21 | 4.02 | 1.27 | 10 | 14.37 | 4.63 | 1.46 |
| | 4 | 10 | 17.11 | 4.29 | 1.36 | 10 | 14.88 | 3.53 | 1.12 | 10 | 16.35 | 4.95 | 1.56 |
| | 5 | 10 | 44.91 | 7.93 | 2.51 | 10 | 40.65 | 6.15 | 1.94 | 10 | 35.12 | 8.33 | 2.64 |
| | 1 | 10 | 12.50 | 3.53 | 1.12 | 10 | 12.90 | 5.73 | 1.81 | 10 | 17.20 | 4.89 | 1.55 |
| | 2 | 10 | 13.84 | 4.88 | 1.54 | 10 | 14.09 | 6.81 | 2.15 | 10 | 14.26 | 4.46 | 1.41 |
| | 3 | 10 | 19.23 | 6.31 | 1.99 | 10 | 16.74 | 5.96 | 1.88 | 10 | 17.04 | 5.73 | 1.81 |
| | 4 | 10 | 17.40 | 4.23 | 1.34 | 10 | 18.10 | 3.66 | 1.16 | 10 | 17.02 | 6.68 | 2.11 |
| | 5 | 10 | 37.04 | 7.42 | 2.35 | 10 | 38.17 | 7.80 | 2.47 | 10 | 34.48 | 12.44 | 3.93 |
| | 1 | 10 | 14.74 | 6.47 | 2.05 | 10 | 19.28 | 8.61 | 2.72 | 10 | 27.48 | 11.78 | 3.73 |
| | 2 | 10 | 11.31 | 3.66 | 1.16 | 10 | 15.66 | 4.68 | 1.48 | 10 | 18.65 | 8.37 | 2.65 |
| | 3 | 10 | 15.23 | 4.35 | 1.38 | 10 | 13.40 | 4.84 | 1.53 | 10 | 23.03 | 8.87 | 2.81 |
| | 4 | 10 | 23.13 | 5.72 | 1.81 | 10 | 16.11 | 4.13 | 1.31 | 10 | 16.74 | 5.66 | 1.79 |
| | 5 | 10 | 35.59 | 9.11 | 2.88 | 10 | 35.55 | 9.55 | 3.02 | 10 | 14.11 | 9.26 | 2.93 |
| | 1 | 10 | 18.87 | 11.49 | 3.63 | 10 | 15.20 | 6.74 | 2.13 | 10 | 16.82 | 5.97 | 1.89 |
| | 2 | 10 | 14.28 | 4.27 | 1.35 | 10 | 14.14 | 4.43 | 1.40 | 10 | 12.36 | 3.93 | 1.24 |
| | 3 | 10 | 14.90 | 6.59 | 2.08 | 10 | 18.85 | 4.31 | 1.36 | 10 | 15.84 | 5.89 | 1.86 |
| | 4 | 10 | 14.10 | 4.02 | 1.27 | 10 | 16.01 | 3.99 | 1.26 | 10 | 19.74 | 4.20 | 1.33 |
| | 5 | 10 | 37.85 | 11.48 | 3.63 | 10 | 35.80 | 9.56 | 3.02 | 10 | 35.24 | 8.60 | 2.72 |
| | 1 | 10 | 11.46 | 5.97 | 1.89 | 10 | 18.50 | 5.20 | 1.65 | 10 | 18.96 | 4.88 | 1.54 |
| | 2 | 10 | 11.64 | 4.07 | 1.29 | 10 | 13.76 | 5.47 | 1.73 | 10 | 15.19 | 4.33 | 1.37 |
| | 3 | 10 | 14.88 | 3.68 | 1.16 | 10 | 12.21 | 4.02 | 1.27 | 10 | 14.37 | 4.63 | 1.46 |
| | 4 | 10 | 17.11 | 4.29 | 1.36 | 10 | 14.88 | 3.53 | 1.12 | 10 | 16.35 | 4.95 | 1.56 |
| | 5 | 10 | 44.91 | 7.93 | 2.51 | 10 | 40.65 | 6.15 | 1.94 | 10 | 35.12 | 8.33 | 2.64 |
| | 1 | 10 | 12.50 | 3.53 | 1.12 | 10 | 12.90 | 5.73 | 1.81 | 10 | 17.20 | 4.89 | 1.55 |
| | 2 | 10 | 13.84 | 4.88 | 1.54 | 10 | 14.09 | 6.81 | 2.15 | 10 | 14.26 | 4.46 | 1.41 |
| | 3 | 10 | 19.23 | 6.31 | 1.99 | 10 | 16.74 | 5.96 | 1.88 | 10 | 17.04 | 5.73 | 1.81 |
| | 4 | 10 | 17.40 | 4.23 | 1.34 | 10 | 18.10 | 3.66 | 1.16 | 10 | 17.02 | 6.68 | 2.11 |
| | 5 | 10 | 37.04 | 7.42 | 2.35 | 10 | 38.17 | 7.80 | 2.47 | 10 | 34.48 | 12.44 | 3.93 |
| | 1 | 10 | 14.74 | 6.47 | 2.05 | 10 | 19.28 | 8.61 | 2.72 | 10 | 27.48 | 11.78 | 3.73 |
| | 2 | 10 | 11.31 | 3.66 | 1.16 | 10 | 15.66 | 4.68 | 1.48 | 10 | 18.65 | 8.37 | 2.65 |
| | 3 | 10 | 15.23 | 4.35 | 1.38 | 10 | 13.40 | 4.84 | 1.53 | 10 | 23.03 | 8.87 | 2.81 |
| | 4 | 10 | 23.13 | 5.72 | 1.81 | 10 | 16.11 | 4.13 | 1.31 | 10 | 16.74 | 5.66 | 1.79 |
| | 5 | 10 | 35.59 | 9.11 | 2.88 | 10 | 35.55 | 9.55 | 3.02 | 10 | 14.11 | 9.26 | 2.93 |
| | 1 | 10 | 18.87 | 11.49 | 3.63 | 10 | 15.20 | 6.74 | 2.13 | 10 | 16.82 | 5.97 | 1.89 |
| | 2 | 10 | 14.28 | 4.27 | 1.35 | 10 | 14.14 | 4.43 | 1.40 | 10 | 12.36 | 3.93 | 1.24 |
| | 3 | 10 | 14.90 | 6.59 | 2.08 | 10 | 18.85 | 4.31 | 1.36 | 10 | 15.84 | 5.89 | 1.86 |
| | 4 | 10 | 14.10 | 4.02 | 1.27 | 10 | 16.01 | 3.99 | 1.26 | 10 | 19.74 | 4.20 | 1.33 |
| | 5 | 10 | 37.85 | 11.48 | 3.63 | 10 | 35.80 | 9.56 | 3.02 | 10 | 35.24 | 8.60 | 2.72 |
| | 1 | 10 | 11.46 | 5.97 | 1.89 | 10 | 18.50 | 5.20 | 1.65 | 10 | 18.96 | 4.88 | 1.54 |
| | 2 | 10 | 11.64 | 4.07 | 1.29 | 10 | 13.76 | 5.47 | 1.73 | 10 | 15.19 | 4.33 | 1.37 |
| | 3 | 10 | 14.88 | 3.68 | 1.16 | 10 | 12.21 | 4.02 | 1.27 | 10 | 14.37 | 4.63 | 1.46 |
| | 4 | 10 | 17.11 | 4.29 | 1.36 | 10 | 14.88 | 3.53 | 1.12 | 10 | 16.35 | 4.95 | 1.56 |
| | 5 | 10 | 44.91 | 7.93 | 2.51 | 10 | 40.65 | 6.15 | 1.94 | 10 | 35.12 | 8.33 | 2.64 |
| | 1 | 10 | 12.50 | 3.53 | 1.12 | 10 | 12.90 | 5.73 | 1.81 | 10 | 17.20 | 4.89 | 1.55 |
| | 2 | 10 | 13.84 | 4.88 | 1.54 | 10 | 14.09 | 6.81 | 2.15 | 10 | 14.26 | 4.46 | 1.41 |
| | 3 | 10 | 19.23 | 6.31 | 1.99 | 10 | 16.74 | 5.96 | 1.88 | 10 | 17.04 | 5.73 | 1.81 |
| | 4 | 10 | 17.40 | 4.23 | 1.34 | 10 | 18.10 | 3.66 | 1.16 | 10 | 17.02 | 6.68 | 2.11 |
| | 5 | 10 | 37.04 | 7.42 | 2.35 | 10 | 38.17 | 7.80 | 2.47 | 10 | 34.48 | 12.44 | 3.93 |
| | 1 | 10 | 14.74 | 6.47 | 2.05 | 10 | 19.28 | 8.61 | 2.72 | 10 | 27.48 | 11.78 | 3.73 |
| | 2 | 10 | 11.31 | 3.66 | 1.16 | 10 | 15.66 | 4.68 | 1.48 | 10 | 18.65 | 8.37 | 2.65 |
| | 3 | 10 | 15.23 | 4.35 | 1.38 | 10 | 13.40 | 4.84 | 1.53 | 10 | 23.03 | 8.87 | 2.81 |
| | 4 | 10 | 23.13 | 5.72 | 1.81 | 10 | 16.11 | 4.13 | 1.31 | 10 | 16.74 | 5.66 | 1.79 |
| | 5 | 10 | 35.59 | 9.11 | 2.88 | 10 | 35.55 | 9.55 | 3.02 | 10 | 14.11 | 9.26 | 2.93 |
| | 1 | 10 | 18.87 | 11.49 | 3.63 | 10 | 15.20 | 6.74 | 2.13 | 10 | 16.82 | 5.97 | 1.89 |
| | 2 | 10 | 14.28 | 4.27 | 1.35 | 10 | 14.14 | 4.43 | 1.40 | 10 | 12.36 | 3.93 | 1.24 |
| | 3 | 10 | 14.90 | 6.59 | 2.08 | 10 | 18.85 | 4.31 | 1.36 | 10 | 15.84 | 5.89 | 1.86 |
| | 4 | 10 | 14.10 | 4.02 | 1.27 | 10 | 16.01 | 3.99 | 1.26 | 10 | 19.74 | 4.20 | 1.33 |
| | 5 | 10 | 37.85 | 11.48 | 3.63 | 10 | 35.80 | 9.56 | 3.02 | 10 | 35.24 | 8.60 | 2.72 |
| | 1 | 10 | 11.46 | 5.97 | 1.89 | 10 | 18.50 | 5.20 | 1.65 | 10 | 18.96 | 4.88 | 1.54 |
| | 2 | 10 | 11.64 | 4.07 | 1.29 | 10 | 13.76 | 5.47 | 1.73 | 10 | 15.19 | 4.33 | 1.37 |
| | 3 | 10 | 14.88 | 3.68 | 1.16 | 10 | 12.21 | 4.02 | 1.27 | 10 | 14.37 | 4.63 | 1.46 |
| | 4 | 10 | 17.11 | 4.29 | 1.36 | 10 | 14.88 | 3.53 | 1.12 | 10 | 16.35 | 4.95 | 1.56 |

PARAMETER = Percent Power
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 27.30 | 7.11 | 2.25 | 10 | 30.84 | 9.30 | 2.94 | 10 | 28.16 | 8.23 | 2.60 | 3 | 28.77 | 1.85 | 1.07 |
| | 2 | 10 | 15.59 | 7.55 | 2.39 | 10 | 13.92 | 5.33 | 1.69 | 10 | 17.14 | 7.93 | 2.51 | 3 | 15.55 | 1.61 | 0.93 |
| | 3 | 10 | 21.25 | 10.12 | 3.20 | 10 | 19.22 | 6.23 | 1.97 | 10 | 13.94 | 2.69 | 0.85 | 3 | 18.14 | 3.77 | 2.18 |
| | 4 | 10 | 15.26 | 5.28 | 1.67 | 10 | 15.77 | 3.46 | 1.09 | 10 | 16.05 | 4.12 | 1.30 | 3 | 15.69 | 0.40 | 0.23 |
| | 5 | 10 | 20.59 | 4.44 | 1.40 | 10 | 20.25 | 6.72 | 2.13 | 10 | 24.70 | 9.53 | 3.01 | 3 | 21.85 | 2.48 | 1.43 |
| 30-Minute | 1 | 10 | 26.61 | 9.46 | 2.99 | 10 | 17.97 | 5.88 | 1.86 | 10 | 19.55 | 7.24 | 2.29 | 3 | 21.38 | 4.60 | 2.65 |
| | 2 | 10 | 15.30 | 2.80 | 0.89 | 10 | 18.40 | 6.36 | 2.01 | 10 | 17.37 | 5.08 | 1.61 | 3 | 17.02 | 1.58 | 0.91 |
| | 3 | 10 | 19.96 | 6.82 | 2.16 | 10 | 27.40 | 5.22 | 1.65 | 10 | 23.63 | 5.25 | 1.66 | 3 | 23.66 | 3.72 | 2.15 |
| | 4 | 10 | 13.03 | 3.66 | 1.16 | 10 | 14.20 | 4.99 | 1.58 | 10 | 20.85 | 7.99 | 2.53 | 3 | 16.02 | 4.22 | 2.44 |
| | 5 | 10 | 25.11 | 7.13 | 2.25 | 10 | 22.03 | 3.52 | 1.11 | 10 | 18.60 | 6.14 | 1.94 | 3 | 21.91 | 3.25 | 1.88 |
| 90-Minute | 1 | 10 | 21.07 | 8.74 | 2.76 | 10 | 25.18 | 7.36 | 2.33 | 10 | 22.51 | 8.38 | 2.65 | 3 | 22.92 | 2.09 | 1.20 |
| | 2 | 10 | 17.31 | 6.14 | 1.94 | 10 | 19.66 | 6.04 | 1.91 | 10 | 18.68 | 6.21 | 1.96 | 3 | 18.55 | 1.18 | 0.68 |
| | 3 | 10 | 19.08 | 1.40 | 0.44 | 10 | 19.57 | 5.62 | 1.78 | 10 | 19.57 | 4.93 | 1.56 | 3 | 19.41 | 0.28 | 0.16 |
| | 4 | 10 | 13.91 | 2.99 | 0.95 | 10 | 14.39 | 5.56 | 1.76 | 10 | 16.22 | 3.07 | 0.97 | 3 | 14.84 | 1.22 | 0.71 |
| | 5 | 10 | 28.64 | 8.07 | 2.55 | 10 | 21.20 | 5.46 | 1.73 | 10 | 23.02 | 3.14 | 0.99 | 3 | 24.28 | 3.88 | 2.24 |
| 300-Minute | 1 | 10 | 16.02 | 5.36 | 1.70 | 10 | 22.19 | 9.83 | 3.11 | 10 | 18.81 | 6.99 | 2.21 | 3 | 19.01 | 3.09 | 1.78 |
| | 2 | 10 | 18.66 | 6.35 | 2.01 | 10 | 16.84 | 5.29 | 1.67 | 10 | 15.41 | 4.29 | 1.36 | 3 | 16.97 | 1.63 | 0.94 |
| | 3 | 10 | 24.03 | 7.71 | 2.44 | 10 | 23.08 | 7.09 | 2.24 | 10 | 21.36 | 7.35 | 2.33 | 3 | 22.82 | 1.35 | 0.78 |
| | 4 | 10 | 14.76 | 3.62 | 1.15 | 10 | 13.55 | 3.74 | 1.18 | 10 | 17.49 | 6.20 | 1.96 | 3 | 15.27 | 2.02 | 1.17 |
| | 5 | 10 | 26.55 | 6.88 | 2.17 | 10 | 24.34 | 6.50 | 2.05 | 10 | 26.92 | 8.70 | 2.75 | 3 | 25.93 | 1.40 | 0.81 |
| 600-Minute | 1 | 10 | 23.10 | 9.86 | 3.12 | 10 | 25.08 | 9.22 | 2.92 | 10 | 26.79 | 11.14 | 3.52 | 3 | 24.99 | 1.85 | 1.07 |
| | 2 | 10 | 15.88 | 4.53 | 1.43 | 10 | 21.23 | 2.80 | 0.89 | 10 | 22.71 | 6.32 | 2.00 | 3 | 19.94 | 3.59 | 2.07 |
| | 3 | 10 | 21.41 | 6.53 | 2.06 | 10 | 21.04 | 8.97 | 2.84 | 10 | 25.89 | 10.40 | 3.29 | 3 | 22.78 | 2.70 | 1.56 |
| | 4 | 10 | 18.33 | 7.32 | 2.32 | 10 | 14.37 | 3.72 | 1.18 | 10 | 13.39 | 4.98 | 1.57 | 3 | 15.37 | 2.62 | 1.51 |
| | 5 | 10 | 21.28 | 5.66 | 1.79 | 10 | 18.28 | 5.07 | 1.60 | 10 | 11.22 | 4.61 | 1.46 | 3 | 16.93 | 5.17 | 2.98 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 4E5 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | |
| Baseline | 1 | 10 | 1.94 | 0.28 | 0.09 | 10 | 1.85 | 0.26 | 0.08 | 10 | 1.90 | 0.17 | 0.06 |
| | 2 | 10 | 5.55 | 0.34 | 0.11 | 10 | 5.64 | 0.37 | 0.12 | 10 | 5.71 | 0.35 | 0.11 |
| | 3 | 10 | 10.33 | 0.37 | 0.12 | 10 | 10.18 | 0.20 | 0.06 | 10 | 9.93 | 0.32 | 0.10 |
| | 4 | 10 | 15.34 | 0.33 | 0.11 | 10 | 15.10 | 0.31 | 0.10 | 10 | 15.37 | 0.25 | 0.08 |
| | 5 | 10 | 21.40 | 0.43 | 0.14 | 10 | 21.23 | 0.50 | 0.16 | 10 | 21.16 | 0.59 | 0.19 |
| 30-Minute | 9 | 10 | 11.75 | 2.17 | 0.69 | 10 | 10.63 | 2.10 | 0.66 | 10 | 10.16 | 2.41 | 0.76 |
| | 1 | 10 | 2.06 | 0.26 | 0.08 | 10 | 1.92 | 0.32 | 0.10 | 10 | 2.13 | 0.22 | 0.07 |
| | 2 | 10 | 5.63 | 0.26 | 0.08 | 10 | 5.58 | 0.36 | 0.11 | 10 | 5.79 | 0.26 | 0.08 |
| | 3 | 10 | 10.45 | 0.46 | 0.14 | 10 | 10.31 | 0.32 | 0.10 | 10 | 10.10 | 0.40 | 0.13 |
| | 4 | 10 | 15.20 | 0.52 | 0.16 | 10 | 15.47 | 0.46 | 0.14 | 10 | 15.33 | 0.23 | 0.07 |
| 90-Minute | 5 | 10 | 21.63 | 0.37 | 0.12 | 10 | 21.41 | 0.63 | 0.20 | 10 | 21.25 | 0.64 | 0.20 |
| | 9 | 10 | 14.38 | 1.00 | 0.32 | 10 | 12.85 | 1.38 | 0.44 | 10 | 13.07 | 2.34 | 0.74 |
| | 1 | 10 | 2.03 | 0.27 | 0.09 | 10 | 1.86 | 0.24 | 0.08 | 10 | 1.90 | 0.33 | 0.10 |
| | 2 | 10 | 5.78 | 0.36 | 0.12 | 10 | 5.74 | 0.49 | 0.16 | 10 | 5.71 | 0.42 | 0.13 |
| | 3 | 10 | 10.13 | 0.38 | 0.12 | 10 | 10.17 | 0.46 | 0.14 | 10 | 10.30 | 0.47 | 0.15 |
| 300-Minute | 4 | 10 | 15.23 | 0.43 | 0.14 | 10 | 15.27 | 0.38 | 0.12 | 10 | 15.52 | 0.31 | 0.10 |
| | 5 | 10 | 21.60 | 0.31 | 0.10 | 10 | 21.55 | 0.65 | 0.20 | 10 | 21.02 | 0.38 | 0.12 |
| | 9 | 10 | 14.38 | 1.59 | 0.50 | 10 | 12.85 | 2.77 | 0.87 | 10 | 13.38 | 1.60 | 0.51 |
| | 1 | 10 | 2.21 | 0.31 | 0.10 | 10 | 2.15 | 0.29 | 0.09 | 10 | 2.10 | 0.36 | 0.11 |
| | 2 | 10 | 5.68 | 0.38 | 0.12 | 10 | 5.77 | 0.34 | 0.11 | 10 | 5.87 | 0.50 | 0.16 |
| 600-Minute | 3 | 10 | 10.24 | 0.53 | 0.17 | 10 | 10.07 | 0.44 | 0.14 | 10 | 10.31 | 0.40 | 0.13 |
| | 4 | 10 | 15.47 | 0.32 | 0.10 | 10 | 15.29 | 0.24 | 0.08 | 10 | 15.32 | 0.55 | 0.17 |
| | 5 | 10 | 21.55 | 0.53 | 0.17 | 10 | 21.31 | 0.53 | 0.17 | 10 | 21.35 | 0.69 | 0.22 |
| | 9 | 10 | 14.98 | 1.22 | 0.39 | 10 | 13.67 | 1.67 | 0.53 | 10 | 13.50 | 2.50 | 0.79 |
| | 1 | 10 | 2.03 | 0.20 | 0.06 | 10 | 2.10 | 0.27 | 0.09 | 10 | 2.02 | 0.27 | 0.09 |
| | 2 | 10 | 5.68 | 0.36 | 0.12 | 10 | 5.81 | 0.42 | 0.13 | 10 | 5.73 | 0.45 | 0.14 |
| | 3 | 10 | 10.15 | 0.41 | 0.13 | 10 | 10.29 | 0.46 | 0.15 | 10 | 10.14 | 0.35 | 0.11 |
| | 4 | 10 | 15.23 | 0.49 | 0.16 | 10 | 15.56 | 0.44 | 0.14 | 10 | 15.18 | 0.48 | 0.15 |
| | 5 | 10 | 21.48 | 0.65 | 0.21 | 10 | 21.24 | 0.67 | 0.21 | 10 | 20.96 | 0.26 | 0.08 |
| | 9 | 10 | 13.47 | 1.48 | 0.47 | 10 | 13.80 | 1.34 | 0.42 | 10 | 9.63 | 2.27 | 0.72 |
| | 1 | 10 | 2.03 | 0.20 | 0.06 | 10 | 2.10 | 0.27 | 0.09 | 10 | 2.02 | 0.27 | 0.09 |
| | 2 | 10 | 5.68 | 0.36 | 0.12 | 10 | 5.81 | 0.42 | 0.13 | 10 | 5.73 | 0.45 | 0.14 |
| | 3 | 10 | 10.15 | 0.41 | 0.13 | 10 | 10.29 | 0.46 | 0.15 | 10 | 10.14 | 0.35 | 0.11 |
| | 4 | 10 | 15.23 | 0.49 | 0.16 | 10 | 15.56 | 0.44 | 0.14 | 10 | 15.18 | 0.48 | 0.15 |
| | 5 | 10 | 21.48 | 0.65 | 0.21 | 10 | 21.24 | 0.67 | 0.21 | 10 | 20.96 | 0.26 | 0.08 |
| | 9 | 10 | 13.47 | 1.48 | 0.47 | 10 | 13.80 | 1.34 | 0.42 | 10 | 9.63 | 2.27 | 0.72 |
| | 1 | 10 | 2.03 | 0.20 | 0.06 | 10 | 2.10 | 0.27 | 0.09 | 10 | 2.02 | 0.27 | 0.09 |
| | 2 | 10 | 5.68 | 0.36 | 0.12 | 10 | 5.81 | 0.42 | 0.13 | 10 | 5.73 | 0.45 | 0.14 |
| | 3 | 10 | 10.15 | 0.41 | 0.13 | 10 | 10.29 | 0.46 | 0.15 | 10 | 10.14 | 0.35 | 0.11 |
| | 4 | 10 | 15.23 | 0.49 | 0.16 | 10 | 15.56 | 0.44 | 0.14 | 10 | 15.18 | 0.48 | 0.15 |
| | 5 | 10 | 21.48 | 0.65 | 0.21 | 10 | 21.24 | 0.67 | 0.21 | 10 | 20.96 | 0.26 | 0.08 |
| | 9 | 10 | 13.47 | 1.48 | 0.47 | 10 | 13.80 | 1.34 | 0.42 | 10 | 9.63 | 2.27 | 0.72 |
| | 1 | 10 | 2.03 | 0.20 | 0.06 | 10 | 2.10 | 0.27 | 0.09 | 10 | 2.02 | 0.27 | 0.09 |
| | 2 | 10 | 5.68 | 0.36 | 0.12 | 10 | 5.81 | 0.42 | 0.13 | 10 | 5.73 | 0.45 | 0.14 |
| | 3 | 10 | 10.15 | 0.41 | 0.13 | 10 | 10.29 | 0.46 | 0.15 | 10 | 10.14 | 0.35 | 0.11 |
| | 4 | 10 | 15.23 | 0.49 | 0.16 | 10 | 15.56 | 0.44 | 0.14 | 10 | 15.18 | 0.48 | 0.15 |
| | 5 | 10 | 21.48 | 0.65 | 0.21 | 10 | 21.24 | 0.67 | 0.21 | 10 | 20.96 | 0.26 | 0.08 |
| | 9 | 10 | 13.47 | 1.48 | 0.47 | 10 | 13.80 | 1.34 | 0.42 | 10 | 9.63 | 2.27 | 0.72 |
| | 1 | 10 | 2.03 | 0.20 | 0.06 | 10 | 2.10 | 0.27 | 0.09 | 10 | 2.02 | 0.27 | 0.09 |
| | 2 | 10 | 5.68 | 0.36 | 0.12 | 10 | 5.81 | 0.42 | 0.13 | 10 | 5.73 | 0.45 | 0.14 |
| | 3 | 10 | 10.15 | 0.41 | 0.13 | 10 | 10.29 | 0.46 | 0.15 | 10 | 10.14 | 0.35 | 0.11 |
| | 4 | 10 | 15.23 | 0.49 | 0.16 | 10 | 15.56 | 0.44 | 0.14 | 10 | 15.18 | 0.48 | 0.15 |
| | 5 | 10 | 21.48 | 0.65 | 0.21 | 10 | 21.24 | 0.67 | 0.21 | 10 | 20.96 | 0.26 | 0.08 |
| | 9 | 10 | 13.47 | 1.48 | 0.47 | 10 | 13.80 | 1.34 | 0.42 | 10 | 9.63 | 2.27 | 0.72 |
| | 1 | 10 | 2.03 | 0.20 | 0.06 | 10 | 2.10 | 0.27 | 0.09 | 10 | 2.02 | 0.27 | 0.09 |
| | 2 | 10 | 5.68 | 0.36 | 0.12 | 10 | 5.81 | 0.42 | 0.13 | 10 | 5.73 | 0.45 | 0.14 |
| | 3 | 10 | 10.15 | 0.41 | 0.13 | 10 | 10.29 | 0.46 | 0.15 | 10 | 10.14 | 0.35 | 0.11 |
| | 4 | 10 | 15.23 | 0.49 | 0.16 | 10 | 15.56 | 0.44 | 0.14 | 10 | 15.18 | 0.48 | 0.15 |
| | 5 | 10 | 21.48 | 0.65 | 0.21 | 10 | 21.24 | 0.67 | 0.21 | 10 | 20.96 | 0.26 | 0.08 |
| | 9 | 10 | 13.47 | 1.48 | 0.47 | 10 | 13.80 | 1.34 | 0.42 | 10 | 9.63 | 2.27 | 0.72 |
| | 1 | 10 | 2.03 | 0.20 | 0.06 | 10 | 2.10 | 0.27 | 0.09 | 10 | 2.02 | 0.27 | 0.09 |
| | 2 | 10 | 5.68 | 0.36 | 0.12 | 10 | 5.81 | 0.42 | 0.13 | 10 | 5.73 | 0.45 | 0.14 |
| | 3 | 10 | 10.15 | 0.41 | 0.13 | 10 | 10.29 | 0.46 | 0.15 | 10 | 10.14 | 0.35 | 0.11 |
| | 4 | 10 | 15.23 | 0.49 | 0.16 | 10 | 15.56 | 0.44 | 0.14 | 10 | 15.18 | 0.48 | 0.15 |
| | 5 | 10 | 21.48 | 0.65 | 0.21 | 10 | 21.24 | 0.67 | 0.21 | 10 | 20.96 | 0.26 | 0.08 |
| | 9 | 10 | 13.47 | 1.48 | 0.47 | 10 | 13.80 | 1.34 | 0.42 | 10 | 9.63 | 2.27 | 0.72 |
| | 1 | 10 | 2.03 | 0.20 | 0.06 | 10 | 2.10 | 0.27 | 0.09 | 10 | 2.02 | 0.27 | 0.09 |
| | 2 | 10 | 5.68 | 0.36 | 0.12 | 10 | 5.81 | 0.42 | 0.13 | 10 | 5.73 | 0.45 | 0.14 |
| | 3 | 10 | 10.15 | 0.41 | 0.13 | 10 | 10.29 | 0.46 | 0.15 | 10 | 10.14 | 0.35 | 0.11 |
| | 4 | 10 | 15.23 | 0.49 | 0.16 | 10 | 15.56 | 0.44 | 0.14 | 10 | 15.18 | 0.48 | 0.15 |
| | 5 | 10 | 21.48 | 0.65 | 0.21 | 10 | 21.24 | 0.67 | 0.21 | 10 | 20.96 | 0.26 | 0.08 |
| | 9 | 10 | 13.47 | 1.48 | 0.47 | 10 | 13.80 | 1.34 | 0.42 | 10 | 9.63 | 2.27 | 0.72 |
| | 1 | 10 | 2.03 | 0.20 | 0.06 | 10 | 2.10 | 0.27 | 0.09 | 10 | 2.02 | 0.27 | 0.09 |
| | 2 | 10 | 5.68 | 0.36 | 0.12 | 10 | 5.81 | 0.42 | 0.13 | 10 | 5.73 | 0.45 | 0.14 |
| | 3 | 10 | 10.15 | 0.41 | 0.13 | 10 | 10.29 | 0.46 | 0.15 | 10 | 10.14 | 0.35 | 0.11 |
| | 4 | 10 | 15.23 | 0.49 | 0.16 | 10 | 15.56 | 0.44 | 0.14 | 10 | 15.18 | 0.48 | 0.15 |
| | 5 | 10 | 21.48 | 0.65 | 0.21 | 10 | 21.24 | 0.67 | 0.21 | 10 | 20.96 | 0.26 | 0.08 |
| | 9 | 10 | 13.47 | 1.48 | 0.47 | 10 | 13.80 | 1.34 | 0.42 | 10 | 9.63 | 2.27 | 0.72 |
| | 1 | 10 | 2.03 | 0.20 | 0.06 | 10 | 2.10 | 0.27 | 0.09 | 10 | 2.02 | 0.27 | 0.09 |
| | 2 | 10 | 5.68 | 0.36 | 0.12 | 10 | 5.81 | 0.42 | 0.13 | 10 | 5.73 | 0.45 | 0.14 |
| | 3 | 10 | 10.15 | 0.41 | 0.13 | 10 | 10.29 | 0.46 | 0.15 | 10 | 10.14 | 0.35 | 0.11 |
| | 4 | 10 | 15.23 | 0.49 | 0.16 | 10 | 15.56 | 0.44 | 0.14 | 10 | 15.18 | 0.48 | 0.15 |
| | 5 | 10 | 21.48 | 0.65 | 0.21 | 10 | 21.24 | 0.67 | 0.21 | 10 | 20.96 | 0.26 | 0.08 |
| | 9 | 10 | 13.47 | 1.48 | 0.47 | 10 | 13.80 | 1.34 | 0.42 | 10 | 9.63 | 2.27 | 0.72 |
| | 1 | 10 | 2.03 | 0.20 | 0.06 | 10 | 2.10 | 0.27 | 0.09 | 10 | 2.02 | 0.27 | 0.09 |
| | 2 | 10 | 5.68 | 0.36 | 0.12 | 10 | 5.81 | 0.42 | 0.13 | 10 | 5.73 | 0.45 | 0.14 |
| | 3 | 10 | 10.15 | 0.41 | 0.13 | 10 | 10.29 | 0.46 | 0.15 | 10 | 10.14 | 0.35 | 0.11 |
| | 4 | 10 | 15.23 | 0.49 | 0.16 | 10 | 15.56 | 0.44 | 0.14 | 10 | 15.18 | 0.48 | 0.15 |
| | 5 | 10 | 21.48 | 0.65 | 0.21 | 10 | 21.24 | 0.67 | 0.21 | 10 | 20.96 | 0.26 | 0.08 |
| | 9 | 10 | 13.47 | 1.48 | 0.47 | 10 | 13.80 | 1.34 | 0.42 | 10 | 9.63 | 2.27 | 0.72 |
| | 1 | 10 | 2.03 | 0.20 | 0.06 | 10 | 2.10 | 0.27 | 0.09 | 10 | 2.02 | 0.27 | 0.09 |
| | 2 | 10 | 5.68 | 0.36 | 0.12 | 10 | 5.81 | 0.42 | 0.13 | 10 | 5.73 | 0.45 | 0.14 |
| | 3 | 10 | 10.15 | 0.41 | 0.13 | 10 | 10.29 | 0.46 | 0.15 | 10 | 10.14 | 0.35 | 0.11 |
| | 4 | 10 | 15.23 | 0.49 | 0.16 | 10 | 15.56 | 0.44 | 0.14 | 10 | 15.18 | 0.48 | 0.15 |
| | 5 | 10 | 21.48 | 0.65 | 0.21 | 10 | 21.24 | 0.67 | 0.21 | 10 | 20.96 | 0.26 | 0.08 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 4E5 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | |
| Baseline | 1 | 10 | 2.09 | 0.26 | 0.08 | 10 | 2.21 | 0.20 | 0.06 | 10 | 1.96 | 0.16 | 0.05 |
| | 2 | 10 | 5.51 | 0.57 | 0.18 | 10 | 5.62 | 0.31 | 0.10 | 10 | 5.66 | 0.37 | 0.12 |
| | 3 | 10 | 10.40 | 0.45 | 0.14 | 10 | 10.31 | 0.54 | 0.17 | 10 | 10.13 | 0.40 | 0.13 |
| | 4 | 10 | 15.21 | 0.42 | 0.13 | 10 | 15.03 | 0.38 | 0.12 | 10 | 14.92 | 0.39 | 0.12 |
| | 5 | 10 | 20.92 | 0.58 | 0.18 | 10 | 20.91 | 0.47 | 0.15 | 10 | 21.07 | 0.77 | 0.24 |
| | 9 | 10 | 11.64 | 1.30 | 0.41 | 10 | 10.09 | 1.97 | 0.62 | 10 | 11.28 | 2.38 | 0.75 |
| 30-Minute | 1 | 10 | 2.09 | 0.24 | 0.08 | 10 | 2.06 | 0.20 | 0.06 | 10 | 2.18 | 0.25 | 0.08 |
| | 2 | 10 | 5.56 | 0.34 | 0.11 | 10 | 5.77 | 0.34 | 0.11 | 10 | 5.52 | 0.27 | 0.08 |
| | 3 | 10 | 10.41 | 0.49 | 0.16 | 10 | 10.30 | 0.46 | 0.15 | 10 | 10.41 | 0.22 | 0.07 |
| | 4 | 10 | 15.46 | 0.47 | 0.15 | 10 | 15.38 | 0.37 | 0.12 | 10 | 15.14 | 0.48 | 0.15 |
| | 5 | 10 | 20.81 | 0.52 | 0.16 | 10 | 20.63 | 0.38 | 0.12 | 10 | 20.75 | 0.61 | 0.19 |
| | 9 | 10 | 11.88 | 0.95 | 0.30 | 10 | 12.32 | 1.33 | 0.42 | 10 | 11.51 | 1.59 | 0.50 |
| 90-Minute | 1 | 10 | 2.21 | 0.13 | 0.04 | 10 | 2.10 | 0.29 | 0.09 | 10 | 2.21 | 0.18 | 0.06 |
| | 2 | 10 | 5.57 | 0.32 | 0.10 | 10 | 5.78 | 0.30 | 0.09 | 10 | 5.81 | 0.39 | 0.12 |
| | 3 | 10 | 10.17 | 0.27 | 0.09 | 10 | 10.23 | 0.40 | 0.13 | 10 | 10.43 | 0.31 | 0.10 |
| | 4 | 10 | 15.32 | 0.46 | 0.15 | 10 | 15.55 | 0.47 | 0.15 | 10 | 15.26 | 0.36 | 0.11 |
| | 5 | 10 | 21.17 | 0.65 | 0.21 | 10 | 20.94 | 0.60 | 0.19 | 10 | 20.60 | 0.38 | 0.12 |
| | 9 | 10 | 13.15 | 1.14 | 0.36 | 10 | 12.33 | 1.34 | 0.43 | 10 | 12.49 | 1.18 | 0.37 |
| 300-Minute | 1 | 10 | 2.11 | 0.25 | 0.08 | 10 | 2.15 | 0.25 | 0.08 | 10 | 2.28 | 0.26 | 0.08 |
| | 2 | 10 | 5.72 | 0.41 | 0.13 | 10 | 5.71 | 0.30 | 0.10 | 10 | 5.59 | 0.25 | 0.08 |
| | 3 | 10 | 10.17 | 0.47 | 0.15 | 10 | 10.33 | 0.38 | 0.12 | 10 | 10.19 | 0.41 | 0.13 |
| | 4 | 10 | 15.41 | 0.30 | 0.10 | 10 | 15.54 | 0.47 | 0.15 | 10 | 15.59 | 0.27 | 0.09 |
| | 5 | 10 | 20.88 | 0.33 | 0.10 | 10 | 20.55 | 0.39 | 0.12 | 10 | 20.54 | 0.45 | 0.14 |
| | 9 | 10 | 12.41 | 1.02 | 0.32 | 10 | 12.59 | 1.43 | 0.45 | 10 | 12.48 | 1.41 | 0.44 |
| 600-Minute | 1 | 10 | 2.17 | 0.28 | 0.09 | 10 | 2.30 | 0.14 | 0.04 | 10 | 2.06 | 0.20 | 0.06 |
| | 2 | 10 | 5.67 | 0.56 | 0.18 | 10 | 5.85 | 0.49 | 0.15 | 10 | 5.67 | 0.35 | 0.11 |
| | 3 | 10 | 9.96 | 0.41 | 0.13 | 10 | 10.04 | 0.39 | 0.12 | 10 | 10.26 | 0.55 | 0.17 |
| | 4 | 10 | 15.42 | 0.37 | 0.12 | 10 | 15.24 | 0.28 | 0.09 | 10 | 15.05 | 0.48 | 0.15 |
| | 5 | 10 | 20.54 | 0.30 | 0.10 | 10 | 20.90 | 0.64 | 0.20 | 10 | 20.92 | 0.74 | 0.23 |
| | 9 | 10 | 11.71 | 1.11 | 0.35 | 10 | 11.40 | 0.78 | 0.25 | 10 | 9.25 | 1.64 | 0.52 |
| | 1 | 10 | 2.18 | 0.12 | 0.07 | 10 | 2.18 | 0.12 | 0.07 | 10 | 2.18 | 0.12 | 0.07 |
| | 2 | 10 | 5.73 | 0.10 | 0.06 | 10 | 5.73 | 0.10 | 0.06 | 10 | 5.73 | 0.10 | 0.06 |
| | 3 | 10 | 10.09 | 0.16 | 0.09 | 10 | 10.09 | 0.16 | 0.09 | 10 | 10.09 | 0.16 | 0.09 |
| | 4 | 10 | 15.24 | 0.19 | 0.11 | 10 | 15.24 | 0.19 | 0.11 | 10 | 15.24 | 0.19 | 0.11 |
| | 5 | 10 | 20.79 | 0.22 | 0.13 | 10 | 20.79 | 0.22 | 0.13 | 10 | 20.79 | 0.22 | 0.13 |
| | 9 | 10 | 10.79 | 1.34 | 0.77 | 10 | 10.79 | 1.34 | 0.77 | 10 | 10.79 | 1.34 | 0.77 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 4E5 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | | | | |
| Baseline | 1 | 10 | 2.19 | 0.21 | 0.07 | 10 | 2.14 | 0.23 | 0.07 | 10 | 2.22 | 0.22 | 0.07 | 3 | 2.18 | 0.04 | 0.02 |
| | 2 | 10 | 5.45 | 0.36 | 0.11 | 10 | 5.41 | 0.23 | 0.07 | 10 | 5.38 | 0.36 | 0.11 | 3 | 5.41 | 0.04 | 0.02 |
| | 3 | 10 | 10.24 | 0.44 | 0.14 | 10 | 10.33 | 0.30 | 0.09 | 10 | 10.59 | 0.44 | 0.14 | 3 | 10.38 | 0.18 | 0.10 |
| | 4 | 10 | 15.13 | 0.31 | 0.10 | 10 | 15.47 | 0.39 | 0.12 | 10 | 14.99 | 0.34 | 0.11 | 3 | 15.20 | 0.24 | 0.14 |
| | 5 | 10 | 21.85 | 0.53 | 0.17 | 10 | 21.75 | 0.41 | 0.13 | 10 | 21.45 | 0.68 | 0.22 | 3 | 21.68 | 0.21 | 0.12 |
| | 9 | 10 | 12.61 | 1.34 | 0.42 | 10 | 11.44 | 1.42 | 0.45 | 10 | 9.73 | 2.27 | 0.72 | 3 | 11.26 | 1.45 | 0.84 |
| 30-Minute | 1 | 10 | 2.25 | 0.22 | 0.07 | 10 | 2.18 | 0.26 | 0.08 | 10 | 2.21 | 0.20 | 0.06 | 3 | 2.21 | 0.03 | 0.02 |
| | 2 | 10 | 5.42 | 0.42 | 0.13 | 10 | 5.63 | 0.26 | 0.08 | 10 | 5.53 | 0.40 | 0.13 | 3 | 5.52 | 0.10 | 0.06 |
| | 3 | 10 | 10.08 | 0.44 | 0.14 | 10 | 10.08 | 0.44 | 0.14 | 10 | 10.29 | 0.32 | 0.10 | 3 | 10.15 | 0.12 | 0.07 |
| | 4 | 10 | 15.44 | 0.29 | 0.09 | 10 | 15.31 | 0.52 | 0.16 | 10 | 15.03 | 0.34 | 0.11 | 3 | 15.26 | 0.21 | 0.12 |
| | 5 | 10 | 21.61 | 0.41 | 0.13 | 10 | 21.76 | 0.42 | 0.13 | 10 | 21.88 | 0.27 | 0.09 | 3 | 21.75 | 0.14 | 0.08 |
| | 9 | 10 | 13.10 | 2.43 | 0.77 | 10 | 13.26 | 1.43 | 0.45 | 10 | 13.36 | 1.33 | 0.42 | 3 | 13.24 | 0.13 | 0.08 |
| 90-Minute | 1 | 10 | 2.21 | 0.27 | 0.08 | 10 | 2.23 | 0.25 | 0.08 | 10 | 2.25 | 0.26 | 0.08 | 3 | 2.23 | 0.02 | 0.01 |
| | 2 | 10 | 5.63 | 0.41 | 0.13 | 10 | 5.42 | 0.47 | 0.15 | 10 | 5.56 | 0.34 | 0.11 | 3 | 5.54 | 0.11 | 0.06 |
| | 3 | 10 | 10.45 | 0.28 | 0.09 | 10 | 10.45 | 0.37 | 0.12 | 10 | 10.46 | 0.40 | 0.13 | 3 | 10.45 | 0.01 | 0.00 |
| | 4 | 10 | 15.38 | 0.28 | 0.09 | 10 | 15.59 | 0.49 | 0.15 | 10 | 15.37 | 0.36 | 0.11 | 3 | 15.45 | 0.12 | 0.07 |
| | 5 | 10 | 21.91 | 0.38 | 0.12 | 10 | 21.79 | 0.34 | 0.11 | 10 | 21.22 | 0.59 | 0.19 | 3 | 21.64 | 0.37 | 0.21 |
| | 9 | 10 | 14.93 | 1.47 | 0.46 | 10 | 13.60 | 1.10 | 0.35 | 10 | 12.73 | 1.04 | 0.33 | 3 | 13.75 | 1.11 | 0.64 |
| 300-Minute | 1 | 10 | 2.25 | 0.25 | 0.08 | 10 | 2.15 | 0.22 | 0.07 | 10 | 2.23 | 0.23 | 0.07 | 3 | 2.21 | 0.05 | 0.03 |
| | 2 | 10 | 5.60 | 0.45 | 0.14 | 10 | 5.69 | 0.43 | 0.13 | 10 | 5.72 | 0.29 | 0.09 | 3 | 5.67 | 0.06 | 0.03 |
| | 3 | 10 | 9.90 | 0.45 | 0.14 | 10 | 10.22 | 0.38 | 0.12 | 10 | 10.19 | 0.40 | 0.13 | 3 | 10.10 | 0.17 | 0.10 |
| | 4 | 10 | 15.44 | 0.46 | 0.14 | 10 | 15.18 | 0.35 | 0.11 | 10 | 15.19 | 0.41 | 0.13 | 3 | 15.27 | 0.15 | 0.09 |
| | 5 | 10 | 21.57 | 0.38 | 0.12 | 10 | 21.57 | 0.58 | 0.18 | 10 | 21.77 | 0.61 | 0.19 | 3 | 21.64 | 0.11 | 0.07 |
| | 9 | 10 | 13.63 | 1.29 | 0.41 | 10 | 13.76 | 1.06 | 0.34 | 10 | 13.02 | 1.56 | 0.49 | 3 | 13.47 | 0.40 | 0.23 |
| 600-Minute | 1 | 10 | 2.25 | 0.33 | 0.11 | 10 | 2.18 | 0.19 | 0.06 | 10 | 2.16 | 0.27 | 0.08 | 3 | 2.20 | 0.04 | 0.03 |
| | 2 | 10 | 5.61 | 0.32 | 0.10 | 10 | 5.69 | 0.35 | 0.11 | 10 | 5.65 | 0.31 | 0.10 | 3 | 5.65 | 0.04 | 0.02 |
| | 3 | 10 | 10.21 | 0.33 | 0.10 | 10 | 9.91 | 0.34 | 0.11 | 10 | 10.07 | 0.38 | 0.12 | 3 | 10.06 | 0.15 | 0.08 |
| | 4 | 10 | 15.49 | 0.41 | 0.13 | 10 | 15.52 | 0.59 | 0.19 | 10 | 15.01 | 0.19 | 0.06 | 3 | 15.34 | 0.29 | 0.17 |
| | 5 | 10 | 20.93 | 0.50 | 0.16 | 10 | 21.22 | 0.67 | 0.21 | 10 | 21.19 | 0.34 | 0.11 | 3 | 21.11 | 0.16 | 0.09 |
| | 9 | 10 | 13.57 | 1.63 | 0.52 | 10 | 12.69 | 1.73 | 0.55 | 10 | 9.46 | 2.14 | 0.68 | 3 | 11.91 | 2.17 | 1.25 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 4E5 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | |
| Baseline | 1 | 10 | 2.24 | 0.14 | 0.04 | 10 | 2.09 | 0.25 | 0.08 | 10 | 2.19 | 0.24 | 0.08 | 0.04 |
| | 2 | 10 | 5.52 | 0.38 | 0.12 | 10 | 5.59 | 0.24 | 0.08 | 10 | 5.53 | 0.30 | 0.09 | 0.02 |
| | 3 | 10 | 10.15 | 0.39 | 0.12 | 10 | 10.34 | 0.34 | 0.11 | 10 | 10.44 | 0.50 | 0.16 | 0.09 |
| | 4 | 10 | 15.13 | 0.31 | 0.10 | 10 | 15.30 | 0.34 | 0.11 | 10 | 15.04 | 0.36 | 0.11 | 0.07 |
| | 5 | 10 | 21.58 | 0.36 | 0.11 | 10 | 21.36 | 0.31 | 0.10 | 10 | 21.66 | 0.62 | 0.20 | 0.09 |
| 30-Minute | 9 | 10 | 10.38 | 1.15 | 0.36 | 10 | 10.14 | 1.39 | 0.44 | 10 | 10.76 | 1.66 | 0.53 | 0.18 |
| | 1 | 10 | 2.26 | 0.29 | 0.09 | 10 | 2.13 | 0.28 | 0.09 | 10 | 2.12 | 0.25 | 0.08 | 0.04 |
| | 2 | 10 | 5.43 | 0.39 | 0.12 | 10 | 5.69 | 0.37 | 0.12 | 10 | 5.75 | 0.42 | 0.13 | 0.10 |
| | 3 | 10 | 10.24 | 0.34 | 0.11 | 10 | 10.05 | 0.36 | 0.11 | 10 | 10.20 | 0.46 | 0.15 | 0.06 |
| | 4 | 10 | 15.18 | 0.46 | 0.14 | 10 | 15.12 | 0.49 | 0.16 | 10 | 15.22 | 0.44 | 0.14 | 0.03 |
| 90-Minute | 5 | 10 | 21.76 | 0.54 | 0.17 | 10 | 21.24 | 0.54 | 0.17 | 10 | 21.29 | 0.35 | 0.11 | 0.17 |
| | 9 | 10 | 10.90 | 1.53 | 0.48 | 10 | 11.02 | 0.73 | 0.23 | 10 | 10.98 | 1.05 | 0.33 | 0.03 |
| | 1 | 10 | 2.13 | 0.18 | 0.06 | 10 | 2.20 | 0.39 | 0.12 | 10 | 2.18 | 0.26 | 0.08 | 0.02 |
| | 2 | 10 | 5.72 | 0.36 | 0.11 | 10 | 5.54 | 0.44 | 0.14 | 10 | 5.75 | 0.28 | 0.09 | 0.07 |
| | 3 | 10 | 10.17 | 0.32 | 0.10 | 10 | 10.32 | 0.45 | 0.14 | 10 | 10.33 | 0.41 | 0.13 | 0.05 |
| 300-Minute | 4 | 10 | 15.30 | 0.44 | 0.14 | 10 | 15.32 | 0.29 | 0.09 | 10 | 15.08 | 0.34 | 0.11 | 0.08 |
| | 5 | 10 | 21.02 | 0.26 | 0.08 | 10 | 21.23 | 0.32 | 0.10 | 10 | 21.63 | 0.53 | 0.17 | 0.18 |
| | 9 | 10 | 11.53 | 1.58 | 0.50 | 10 | 10.37 | 0.85 | 0.27 | 10 | 11.02 | 0.64 | 0.20 | 0.34 |
| | 1 | 10 | 2.31 | 0.17 | 0.05 | 10 | 2.13 | 0.21 | 0.07 | 10 | 2.25 | 0.21 | 0.07 | 0.05 |
| | 2 | 10 | 5.77 | 0.40 | 0.13 | 10 | 5.78 | 0.35 | 0.11 | 10 | 5.76 | 0.29 | 0.09 | 0.01 |
| 600-Minute | 3 | 10 | 9.83 | 0.42 | 0.13 | 10 | 10.01 | 0.36 | 0.11 | 10 | 10.03 | 0.26 | 0.08 | 0.06 |
| | 4 | 10 | 15.26 | 0.41 | 0.13 | 10 | 15.29 | 0.54 | 0.17 | 10 | 15.05 | 0.42 | 0.13 | 0.08 |
| | 5 | 10 | 21.56 | 0.38 | 0.12 | 10 | 21.39 | 0.42 | 0.13 | 10 | 21.34 | 0.49 | 0.15 | 0.06 |
| | 9 | 10 | 11.78 | 1.37 | 0.43 | 10 | 11.01 | 1.47 | 0.46 | 10 | 11.85 | 1.36 | 0.43 | 0.27 |
| | 1 | 10 | 2.14 | 0.27 | 0.08 | 10 | 2.08 | 0.25 | 0.08 | 10 | 2.07 | 0.28 | 0.09 | 0.02 |
| | 2 | 10 | 5.64 | 0.34 | 0.11 | 10 | 5.86 | 0.17 | 0.05 | 10 | 5.55 | 0.20 | 0.06 | 0.09 |
| | 3 | 10 | 9.90 | 0.31 | 0.10 | 10 | 9.58 | 0.25 | 0.08 | 10 | 10.11 | 0.31 | 0.10 | 0.15 |
| | 4 | 10 | 15.36 | 0.29 | 0.09 | 10 | 15.19 | 0.32 | 0.10 | 10 | 15.03 | 0.39 | 0.12 | 0.17 |
| | 5 | 10 | 21.23 | 0.56 | 0.18 | 10 | 21.40 | 0.34 | 0.11 | 10 | 21.21 | 0.51 | 0.16 | 0.10 |
| | 9 | 10 | 10.87 | 1.42 | 0.45 | 10 | 9.85 | 1.30 | 0.41 | 10 | 8.84 | 1.32 | 0.42 | 0.06 |
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PARAMETER = Peak Frequency
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | | Windows 11-20 | | | | Windows 21-30 | | | | Grand Mean | | | |
|------------|------------|--------------|-------|------|------|---------------|-------|------|------|---------------|-------|------|------|------------|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 8 | 2.00 | 0.76 | 0.27 | 6 | 2.17 | 0.75 | 0.31 | 9 | 2.44 | 0.58 | 0.19 | 3 | 2.20 | 0.22 | 0.13 |
| | 2 | 10 | 5.90 | 0.97 | 0.31 | 8 | 6.00 | 0.65 | 0.23 | 9 | 5.44 | 0.53 | 0.18 | 3 | 5.78 | 0.30 | 0.17 |
| | 3 | 10 | 10.65 | 1.33 | 0.42 | 10 | 9.40 | 0.52 | 0.16 | 10 | 10.05 | 1.34 | 0.42 | 3 | 10.03 | 0.63 | 0.36 |
| | 4 | 10 | 15.45 | 1.21 | 0.38 | 10 | 15.75 | 1.01 | 0.32 | 10 | 15.40 | 1.31 | 0.41 | 3 | 15.53 | 0.19 | 0.11 |
| | 5 | 10 | 22.60 | 1.68 | 0.53 | 10 | 21.35 | 1.90 | 0.60 | 10 | 21.65 | 2.16 | 0.68 | 3 | 21.87 | 0.65 | 0.38 |
| 30-Minute | 9 | 10 | 8.05 | 8.36 | 2.65 | 10 | 10.65 | 8.67 | 2.74 | 10 | 9.75 | 8.01 | 2.53 | 3 | 9.48 | 1.32 | 0.76 |
| | 1 | 8 | 2.31 | 0.70 | 0.25 | 6 | 2.83 | 0.52 | 0.21 | 10 | 2.40 | 0.88 | 0.28 | 3 | 2.52 | 0.28 | 0.16 |
| | 2 | 9 | 5.83 | 0.83 | 0.28 | 10 | 5.95 | 0.86 | 0.27 | 9 | 6.39 | 0.93 | 0.31 | 3 | 6.06 | 0.29 | 0.17 |
| | 3 | 10 | 11.30 | 0.89 | 0.28 | 10 | 10.15 | 1.06 | 0.33 | 10 | 10.75 | 1.09 | 0.34 | 3 | 10.73 | 0.58 | 0.33 |
| | 4 | 10 | 15.60 | 1.49 | 0.47 | 10 | 15.85 | 1.33 | 0.42 | 10 | 15.30 | 1.06 | 0.34 | 3 | 15.58 | 0.28 | 0.16 |
| 90-Minute | 5 | 10 | 22.00 | 1.72 | 0.54 | 10 | 21.75 | 1.86 | 0.59 | 10 | 20.55 | 1.34 | 0.42 | 3 | 21.43 | 0.78 | 0.45 |
| | 9 | 10 | 19.85 | 6.48 | 2.05 | 10 | 17.60 | 6.73 | 2.13 | 10 | 15.75 | 8.60 | 2.72 | 3 | 17.73 | 2.05 | 1.19 |
| | 1 | 7 | 2.29 | 0.70 | 0.26 | 7 | 2.71 | 0.86 | 0.32 | 6 | 2.25 | 0.76 | 0.31 | 3 | 2.42 | 0.26 | 0.15 |
| | 2 | 10 | 5.90 | 0.77 | 0.24 | 10 | 6.00 | 1.05 | 0.33 | 10 | 6.05 | 0.90 | 0.28 | 3 | 5.98 | 0.08 | 0.04 |
| | 3 | 10 | 9.85 | 1.29 | 0.41 | 10 | 10.45 | 1.07 | 0.34 | 10 | 10.50 | 1.31 | 0.41 | 3 | 10.27 | 0.36 | 0.21 |
| 300-Minute | 4 | 10 | 14.95 | 1.01 | 0.32 | 10 | 15.35 | 1.51 | 0.48 | 10 | 14.80 | 1.06 | 0.33 | 3 | 15.03 | 0.28 | 0.16 |
| | 5 | 10 | 21.55 | 1.30 | 0.41 | 10 | 21.85 | 1.72 | 0.54 | 10 | 20.80 | 1.64 | 0.52 | 3 | 21.40 | 0.54 | 0.31 |
| | 9 | 10 | 17.20 | 8.31 | 2.63 | 10 | 17.65 | 7.90 | 2.50 | 10 | 17.25 | 7.30 | 2.31 | 3 | 17.37 | 0.25 | 0.14 |
| | 1 | 6 | 3.04 | 0.46 | 0.19 | 10 | 2.80 | 0.54 | 0.17 | 8 | 2.62 | 0.52 | 0.18 | 3 | 2.82 | 0.21 | 0.12 |
| | 2 | 9 | 5.56 | 0.63 | 0.21 | 10 | 5.50 | 0.82 | 0.26 | 10 | 5.95 | 1.21 | 0.38 | 3 | 5.67 | 0.25 | 0.14 |
| 600-Minute | 3 | 10 | 10.20 | 1.44 | 0.45 | 10 | 10.80 | 1.36 | 0.43 | 10 | 10.60 | 1.07 | 0.34 | 3 | 10.53 | 0.31 | 0.18 |
| | 4 | 10 | 15.65 | 0.94 | 0.30 | 9 | 15.44 | 1.07 | 0.36 | 10 | 16.45 | 1.23 | 0.39 | 3 | 15.85 | 0.53 | 0.31 |
| | 5 | 10 | 21.60 | 1.70 | 0.54 | 10 | 21.15 | 1.83 | 0.58 | 10 | 21.25 | 1.77 | 0.56 | 3 | 21.33 | 0.24 | 0.14 |
| | 9 | 10 | 20.45 | 3.30 | 1.04 | 10 | 19.45 | 6.50 | 2.06 | 10 | 15.05 | 8.73 | 2.76 | 3 | 18.32 | 2.87 | 1.66 |
| | 1 | 9 | 2.44 | 0.73 | 0.24 | 9 | 2.72 | 0.87 | 0.29 | 10 | 2.35 | 0.63 | 0.20 | 3 | 2.51 | 0.19 | 0.11 |
| 600-Minute | 2 | 9 | 6.22 | 0.75 | 0.25 | 9 | 6.44 | 0.88 | 0.29 | 10 | 6.10 | 1.15 | 0.36 | 3 | 6.26 | 0.17 | 0.10 |
| | 3 | 10 | 9.95 | 0.96 | 0.30 | 10 | 11.15 | 0.75 | 0.24 | 10 | 10.35 | 1.47 | 0.47 | 3 | 10.48 | 0.61 | 0.35 |
| | 4 | 10 | 15.25 | 1.32 | 0.42 | 9 | 15.61 | 1.29 | 0.43 | 10 | 15.35 | 0.94 | 0.30 | 3 | 15.40 | 0.19 | 0.11 |
| | 5 | 10 | 21.90 | 2.60 | 0.82 | 10 | 21.75 | 1.86 | 0.59 | 10 | 21.70 | 1.86 | 0.59 | 3 | 21.78 | 0.10 | 0.06 |
| | 9 | 10 | 11.90 | 9.71 | 3.07 | 10 | 19.85 | 6.70 | 2.12 | 10 | 3.85 | 5.01 | 1.58 | 3 | 11.87 | 8.00 | 4.62 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 4E5 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. |
|------------|------------|--------------|-------|------|---------------|-------|------|---------------|-------|------|------------|-------|------|
| | | N | Mean | Std. | N | Mean | Std. | N | Mean | Std. | N | Mean | Std. |
| Baseline | 1 | 9 | 2.00 | 0.66 | 10 | 2.35 | 0.53 | 8 | 2.00 | 0.60 | 3 | 2.12 | 0.20 |
| | 2 | 8 | 6.00 | 1.22 | 8 | 6.00 | 1.00 | 10 | 5.25 | 0.59 | 3 | 5.75 | 0.43 |
| | 3 | 10 | 11.00 | 1.20 | 10 | 10.90 | 1.15 | 9 | 11.06 | 1.31 | 3 | 10.99 | 0.08 |
| | 4 | 10 | 15.25 | 1.30 | 10 | 15.80 | 1.06 | 10 | 15.10 | 0.94 | 3 | 15.38 | 0.37 |
| | 5 | 10 | 20.75 | 1.64 | 10 | 20.90 | 1.94 | 10 | 20.85 | 1.92 | 3 | 20.83 | 0.08 |
| | 9 | 10 | 9.85 | 6.90 | 10 | 6.40 | 6.51 | 10 | 11.55 | 6.15 | 3 | 9.27 | 2.62 |
| 30-Minute | 1 | 10 | 2.20 | 0.63 | 6 | 1.92 | 0.38 | 9 | 2.39 | 0.70 | 3 | 2.17 | 0.24 |
| | 2 | 10 | 5.70 | 0.67 | 9 | 5.89 | 1.08 | 9 | 5.44 | 0.77 | 3 | 5.68 | 0.22 |
| | 3 | 9 | 11.11 | 1.54 | 10 | 10.60 | 1.31 | 10 | 10.70 | 1.18 | 3 | 10.80 | 0.27 |
| | 4 | 10 | 15.75 | 1.09 | 10 | 15.50 | 1.29 | 10 | 14.95 | 1.17 | 3 | 15.40 | 0.41 |
| | 5 | 10 | 21.45 | 1.72 | 10 | 21.10 | 1.85 | 10 | 21.35 | 1.99 | 3 | 21.30 | 0.18 |
| | 9 | 10 | 7.40 | 6.22 | 10 | 12.75 | 7.71 | 10 | 11.45 | 6.47 | 3 | 10.53 | 2.79 |
| 90-Minute | 1 | 10 | 2.50 | 0.71 | 10 | 2.60 | 0.88 | 10 | 2.50 | 0.71 | 3 | 2.53 | 0.06 |
| | 2 | 9 | 5.11 | 0.65 | 10 | 6.05 | 1.09 | 10 | 6.60 | 0.81 | 3 | 5.92 | 0.75 |
| | 3 | 9 | 10.56 | 0.98 | 10 | 10.25 | 1.06 | 10 | 11.05 | 0.96 | 3 | 10.62 | 0.40 |
| | 4 | 10 | 15.30 | 1.16 | 10 | 16.05 | 1.28 | 10 | 15.25 | 1.09 | 3 | 15.53 | 0.45 |
| | 5 | 10 | 21.10 | 1.98 | 10 | 20.80 | 1.75 | 10 | 19.70 | 1.55 | 3 | 20.53 | 0.74 |
| | 9 | 10 | 15.30 | 7.23 | 10 | 12.10 | 7.04 | 10 | 13.80 | 4.63 | 3 | 13.73 | 1.60 |
| 300-Minute | 1 | 9 | 2.33 | 0.56 | 10 | 2.20 | 0.79 | 10 | 2.55 | 0.44 | 3 | 2.36 | 0.18 |
| | 2 | 10 | 5.95 | 1.01 | 9 | 6.50 | 0.94 | 9 | 5.72 | 0.83 | 3 | 6.06 | 0.40 |
| | 3 | 10 | 10.30 | 1.55 | 10 | 10.75 | 1.42 | 10 | 10.25 | 1.03 | 3 | 10.43 | 0.28 |
| | 4 | 10 | 15.75 | 1.55 | 10 | 15.70 | 1.09 | 10 | 16.20 | 0.92 | 3 | 15.88 | 0.16 |
| | 5 | 10 | 21.05 | 2.01 | 10 | 20.05 | 1.26 | 10 | 20.15 | 1.11 | 3 | 20.42 | 0.55 |
| | 9 | 10 | 11.05 | 6.86 | 10 | 13.00 | 6.00 | 10 | 15.00 | 6.21 | 3 | 13.02 | 1.98 |
| 600-Minute | 1 | 10 | 2.30 | 0.59 | 10 | 2.45 | 0.72 | 10 | 1.95 | 0.37 | 3 | 2.23 | 0.26 |
| | 2 | 9 | 5.61 | 1.24 | 9 | 6.28 | 0.94 | 10 | 5.50 | 0.75 | 3 | 5.80 | 0.42 |
| | 3 | 9 | 10.39 | 1.24 | 10 | 11.20 | 0.95 | 10 | 10.80 | 1.11 | 3 | 10.80 | 0.41 |
| | 4 | 10 | 16.15 | 0.91 | 10 | 15.80 | 0.86 | 10 | 15.50 | 0.97 | 3 | 15.82 | 0.33 |
| | 5 | 10 | 20.00 | 1.87 | 10 | 20.70 | 1.46 | 10 | 21.40 | 2.00 | 3 | 20.70 | 0.70 |
| | 9 | 10 | 8.65 | 6.45 | 10 | 9.90 | 6.29 | 10 | 3.95 | 2.83 | 3 | 7.50 | 3.14 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
 TASK: 89-09
 DESCRIPTIVE STATISTICS FOR ANIMAL 4E5 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
 CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 9 | 2.33 | 0.43 | 0.14 | 10 | 2.25 | 0.82 | 0.26 | 10 | 2.20 | 0.75 | 0.24 |
| | 2 | 9 | 5.89 | 0.96 | 0.32 | 9 | 5.72 | 0.79 | 0.26 | 10 | 5.70 | 1.09 | 0.34 |
| | 3 | 9 | 10.22 | 1.28 | 0.43 | 10 | 10.75 | 0.92 | 0.29 | 10 | 11.40 | 1.10 | 0.35 |
| | 4 | 10 | 15.12 | 1.37 | 0.43 | 10 | 15.40 | 1.24 | 0.39 | 10 | 15.65 | 1.23 | 0.39 |
| | 5 | 10 | 22.70 | 1.49 | 0.47 | 10 | 21.65 | 1.08 | 0.34 | 10 | 22.25 | 2.09 | 0.66 |
| 30-Minute | 9 | 10 | 5.40 | 5.31 | 1.68 | 10 | 4.85 | 6.22 | 1.97 | 10 | 7.85 | 8.63 | 2.73 |
| | 1 | 9 | 2.44 | 0.73 | 0.24 | 9 | 2.39 | 0.78 | 0.26 | 10 | 2.10 | 0.52 | 0.16 |
| | 2 | 10 | 5.95 | 0.76 | 0.24 | 10 | 5.95 | 1.07 | 0.34 | 10 | 5.85 | 0.97 | 0.31 |
| | 3 | 10 | 10.25 | 1.21 | 0.38 | 10 | 9.80 | 0.82 | 0.26 | 10 | 10.35 | 1.47 | 0.47 |
| | 4 | 10 | 15.00 | 1.35 | 0.43 | 10 | 15.00 | 1.27 | 0.40 | 9 | 15.17 | 1.50 | 0.50 |
| 90-Minute | 5 | 10 | 22.40 | 1.63 | 0.52 | 10 | 21.70 | 1.44 | 0.45 | 10 | 22.25 | 1.74 | 0.55 |
| | 9 | 10 | 4.00 | 3.50 | 1.11 | 10 | 7.70 | 3.97 | 1.26 | 10 | 7.15 | 5.12 | 1.62 |
| | 1 | 10 | 2.45 | 0.60 | 0.19 | 10 | 2.45 | 0.64 | 0.20 | 10 | 2.55 | 0.69 | 0.22 |
| | 2 | 9 | 5.44 | 1.04 | 0.35 | 9 | 5.61 | 1.24 | 0.41 | 10 | 6.10 | 0.97 | 0.31 |
| | 3 | 10 | 10.20 | 1.60 | 0.51 | 10 | 10.75 | 1.55 | 0.49 | 10 | 11.20 | 1.11 | 0.35 |
| 300-Minute | 4 | 10 | 15.60 | 1.13 | 0.36 | 10 | 16.20 | 0.67 | 0.21 | 10 | 16.05 | 0.93 | 0.29 |
| | 5 | 10 | 21.10 | 1.73 | 0.55 | 10 | 20.80 | 1.70 | 0.54 | 10 | 21.45 | 2.34 | 0.74 |
| | 9 | 10 | 9.15 | 8.12 | 2.57 | 10 | 3.10 | 1.49 | 0.47 | 10 | 5.45 | 3.53 | 1.12 |
| | 1 | 10 | 2.60 | 0.74 | 0.23 | 10 | 2.15 | 0.53 | 0.17 | 10 | 2.75 | 0.63 | 0.20 |
| | 2 | 10 | 6.05 | 1.09 | 0.35 | 10 | 6.00 | 0.91 | 0.29 | 10 | 6.25 | 0.82 | 0.26 |
| 600-Minute | 3 | 10 | 10.00 | 1.11 | 0.35 | 10 | 10.05 | 1.07 | 0.34 | 10 | 9.55 | 0.96 | 0.30 |
| | 4 | 10 | 15.75 | 1.36 | 0.43 | 10 | 15.75 | 1.44 | 0.45 | 10 | 15.00 | 1.13 | 0.36 |
| | 5 | 10 | 21.90 | 1.68 | 0.53 | 10 | 21.55 | 2.20 | 0.70 | 10 | 21.50 | 1.18 | 0.37 |
| | 9 | 10 | 12.20 | 8.86 | 2.80 | 10 | 6.10 | 5.49 | 1.73 | 10 | 10.10 | 7.05 | 2.23 |
| | 1 | 7 | 1.93 | 0.45 | 0.17 | 9 | 2.11 | 0.65 | 0.22 | 9 | 2.44 | 0.58 | 0.19 |
| | 2 | 9 | 5.67 | 0.71 | 0.24 | 10 | 5.60 | 0.77 | 0.24 | 10 | 5.35 | 0.67 | 0.21 |
| | 3 | 10 | 9.70 | 0.82 | 0.26 | 10 | 9.60 | 1.31 | 0.41 | 10 | 10.00 | 1.18 | 0.37 |
| | 4 | 10 | 15.95 | 1.44 | 0.46 | 10 | 14.85 | 1.16 | 0.37 | 10 | 15.50 | 1.39 | 0.44 |
| | 5 | 10 | 22.05 | 1.92 | 0.61 | 10 | 21.00 | 1.91 | 0.61 | 10 | 21.35 | 1.76 | 0.56 |
| | 9 | 10 | 4.65 | 3.94 | 1.25 | 10 | 3.00 | 2.42 | 0.76 | 10 | 6.50 | 3.64 | 1.15 |
| | 1 | 3 | 2.16 | 0.26 | 0.15 | 3 | 2.16 | 0.26 | 0.15 | 3 | 2.16 | 0.26 | 0.15 |
| | 2 | 3 | 5.54 | 0.17 | 0.10 | 3 | 5.54 | 0.17 | 0.10 | 3 | 5.54 | 0.17 | 0.10 |
| | 3 | 3 | 9.77 | 0.21 | 0.12 | 3 | 9.77 | 0.21 | 0.12 | 3 | 9.77 | 0.21 | 0.12 |
| | 4 | 3 | 15.43 | 0.55 | 0.32 | 3 | 15.43 | 0.55 | 0.32 | 3 | 15.43 | 0.55 | 0.32 |
| | 5 | 3 | 21.47 | 0.53 | 0.31 | 3 | 21.47 | 0.53 | 0.31 | 3 | 21.47 | 0.53 | 0.31 |
| | 1 | 3 | 4.72 | 1.75 | 1.01 | 3 | 4.72 | 1.75 | 1.01 | 3 | 4.72 | 1.75 | 1.01 |
| | 2 | 3 | 2.16 | 0.26 | 0.15 | 3 | 2.16 | 0.26 | 0.15 | 3 | 2.16 | 0.26 | 0.15 |
| | 3 | 3 | 5.54 | 0.17 | 0.10 | 3 | 5.54 | 0.17 | 0.10 | 3 | 5.54 | 0.17 | 0.10 |
| | 4 | 3 | 9.77 | 0.21 | 0.12 | 3 | 9.77 | 0.21 | 0.12 | 3 | 9.77 | 0.21 | 0.12 |
| | 5 | 3 | 15.43 | 0.55 | 0.32 | 3 | 15.43 | 0.55 | 0.32 | 3 | 15.43 | 0.55 | 0.32 |

PARAMETER = Total Power
CHANNEL = 1 (Continued)

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|--------|-------|---------------|----|--------|---------------|------|----|------------|-------|-------|---|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| 600-Minute | 1 | 10 | 24.03 | 10.39 | 3.29 | 10 | 16.24 | 6.49 | 2.05 | 10 | 23.65 | 14.27 | 4.51 | 3 | 21.31 | 4.39 | 2.54 |
| | 2 | 10 | 16.04 | 5.93 | 1.87 | 10 | 12.88 | 4.25 | 1.34 | 10 | 12.55 | 5.36 | 1.69 | 3 | 13.82 | 1.92 | 1.11 |
| | 3 | 10 | 23.63 | 11.59 | 3.66 | 10 | 13.61 | 4.88 | 1.54 | 10 | 11.90 | 5.17 | 1.63 | 3 | 16.38 | 6.34 | 3.66 |
| | 4 | 10 | 27.38 | 15.58 | 4.93 | 10 | 15.90 | 6.14 | 1.94 | 10 | 13.92 | 9.58 | 3.03 | 3 | 19.07 | 7.27 | 4.20 |
| | 5 | 10 | 58.51 | 27.23 | 8.61 | 10 | 42.44 | 11.32 | 3.58 | 10 | 14.52 | 12.56 | 3.97 | 3 | 38.49 | 22.26 | 12.85 |
| | 6 | 10 | 44.00 | 25.03 | 7.92 | 10 | 26.74 | 6.23 | 1.97 | 10 | 10.94 | 9.96 | 3.15 | 3 | 27.23 | 16.54 | 9.55 |
| | 7 | 10 | 156.44 | 87.14 | 27.56 | 10 | 102.67 | 14.63 | 4.63 | 10 | 34.49 | 32.70 | 10.34 | 3 | 97.87 | 61.12 | 35.28 |
| | 8 | 10 | 3.28 | 4.03 | 1.27 | 10 | 1.54 | 0.57 | 0.18 | 10 | 0.44 | 0.58 | 0.18 | 3 | 1.75 | 1.43 | 0.83 |
| | 9 | 10 | 149.60 | 52.88 | 16.72 | 10 | 101.07 | 17.95 | 5.68 | 10 | 76.55 | 29.67 | 9.38 | 3 | 109.07 | 37.18 | 21.47 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 4E5 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 16.16 | 6.02 | 1.90 | 10 | 25.98 | 18.34 | 5.80 | 10 | 13.92 | 7.89 | 2.49 |
| | 2 | 10 | 8.83 | 5.70 | 1.80 | 10 | 12.69 | 5.04 | 1.59 | 10 | 11.15 | 7.53 | 2.38 |
| | 3 | 10 | 12.76 | 7.63 | 2.41 | 10 | 19.58 | 6.99 | 2.21 | 10 | 12.13 | 6.75 | 2.13 |
| | 4 | 10 | 21.65 | 7.77 | 2.46 | 10 | 19.20 | 5.69 | 1.80 | 10 | 20.31 | 13.28 | 4.20 |
| | 5 | 10 | 16.49 | 8.53 | 2.70 | 10 | 12.31 | 3.70 | 1.17 | 10 | 12.80 | 7.08 | 2.24 |
| | 6 | 10 | 7.57 | 4.31 | 1.36 | 10 | 4.75 | 1.46 | 0.46 | 10 | 4.81 | 1.64 | 0.52 |
| | 7 | 10 | 21.06 | 24.53 | 7.76 | 10 | 8.85 | 2.02 | 0.64 | 10 | 8.36 | 2.29 | 0.73 |
| | 8 | 10 | 0.35 | 0.67 | 0.21 | 10 | 0.06 | 0.08 | 0.02 | 10 | 0.03 | 0.05 | 0.02 |
| | 9 | 10 | 75.89 | 22.90 | 7.24 | 10 | 89.76 | 25.85 | 8.18 | 10 | 70.32 | 27.55 | 8.71 |
| 30-Minute | 1 | 10 | 12.00 | 4.15 | 1.31 | 10 | 12.75 | 6.97 | 2.20 | 10 | 15.62 | 9.43 | 2.98 |
| | 2 | 10 | 8.92 | 2.89 | 0.91 | 10 | 9.75 | 4.89 | 1.55 | 10 | 11.25 | 9.11 | 2.88 |
| | 3 | 10 | 13.78 | 5.39 | 1.70 | 10 | 13.08 | 5.28 | 1.67 | 10 | 12.56 | 6.94 | 2.19 |
| | 4 | 10 | 18.30 | 10.74 | 3.39 | 10 | 21.28 | 8.64 | 2.73 | 10 | 25.12 | 12.19 | 3.85 |
| | 5 | 10 | 15.70 | 5.20 | 1.65 | 10 | 17.34 | 6.26 | 1.98 | 10 | 12.76 | 1.64 | 0.52 |
| | 6 | 10 | 5.90 | 2.06 | 0.65 | 10 | 4.52 | 1.68 | 0.53 | 10 | 6.12 | 1.89 | 0.60 |
| | 7 | 10 | 10.44 | 3.82 | 1.21 | 10 | 9.25 | 2.92 | 0.92 | 10 | 9.80 | 2.02 | 0.64 |
| | 8 | 10 | 0.10 | 0.09 | 0.03 | 10 | 0.07 | 0.09 | 0.03 | 10 | 0.10 | 0.10 | 0.03 |
| | 9 | 10 | 68.71 | 18.32 | 5.79 | 10 | 74.20 | 20.32 | 6.43 | 10 | 77.30 | 28.87 | 9.13 |
| 90-Minute | 1 | 10 | 10.37 | 3.77 | 1.19 | 10 | 10.42 | 4.59 | 1.45 | 10 | 11.13 | 7.19 | 2.27 |
| | 2 | 10 | 8.59 | 3.39 | 1.07 | 10 | 8.95 | 8.93 | 2.82 | 10 | 8.51 | 5.40 | 1.71 |
| | 3 | 10 | 9.76 | 4.32 | 1.37 | 10 | 10.13 | 6.78 | 2.14 | 10 | 11.42 | 8.99 | 2.84 |
| | 4 | 10 | 15.92 | 6.61 | 2.09 | 10 | 15.91 | 8.68 | 2.75 | 10 | 20.30 | 6.34 | 2.01 |
| | 5 | 10 | 21.64 | 5.68 | 1.80 | 10 | 14.02 | 4.90 | 1.55 | 10 | 14.95 | 4.94 | 1.56 |
| | 6 | 10 | 10.97 | 4.62 | 1.46 | 10 | 7.70 | 2.44 | 0.77 | 10 | 5.45 | 1.88 | 0.59 |
| | 7 | 10 | 24.20 | 12.92 | 4.08 | 10 | 12.48 | 5.74 | 1.82 | 10 | 9.83 | 1.72 | 0.54 |
| | 8 | 10 | 0.27 | 0.26 | 0.08 | 10 | 0.10 | 0.08 | 0.03 | 10 | 0.12 | 0.09 | 0.03 |
| | 9 | 10 | 66.27 | 13.00 | 4.11 | 10 | 59.43 | 28.74 | 9.09 | 10 | 66.31 | 22.28 | 7.04 |
| 300-Minute | 1 | 10 | 8.05 | 3.47 | 1.10 | 10 | 9.48 | 4.11 | 1.30 | 10 | 10.04 | 5.21 | 1.65 |
| | 2 | 10 | 6.81 | 2.87 | 0.91 | 10 | 6.97 | 2.96 | 0.94 | 10 | 8.24 | 5.37 | 1.70 |
| | 3 | 10 | 8.37 | 1.92 | 0.61 | 10 | 9.56 | 4.87 | 1.54 | 10 | 9.14 | 3.60 | 1.14 |
| | 4 | 10 | 15.82 | 8.30 | 2.62 | 10 | 17.94 | 7.01 | 2.22 | 10 | 16.43 | 9.05 | 2.86 |
| | 5 | 10 | 12.14 | 4.14 | 1.31 | 10 | 14.32 | 3.01 | 0.95 | 10 | 14.59 | 3.90 | 1.23 |
| | 6 | 10 | 4.20 | 2.31 | 0.73 | 10 | 5.60 | 1.60 | 0.51 | 10 | 4.85 | 1.45 | 0.46 |
| | 7 | 10 | 9.31 | 2.63 | 0.83 | 10 | 10.74 | 3.69 | 1.17 | 10 | 8.64 | 2.57 | 0.81 |
| | 8 | 10 | 0.07 | 0.05 | 0.02 | 10 | 0.14 | 0.10 | 0.03 | 10 | 0.11 | 0.08 | 0.03 |
| | 9 | 10 | 51.20 | 14.50 | 4.59 | 10 | 58.26 | 11.88 | 3.76 | 10 | 58.44 | 18.14 | 5.74 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 4E5 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 2 (Continued)

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|---------------|---------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| 600-Minute | 1 | 10 | 9.51 | 4.64 | 1.47 | 10 | 8.16 | 3.29 | 1.04 | 10 | 13.95 | 7.89 | 2.49 |
| | 2 | 10 | 8.25 | 3.68 | 1.16 | 10 | 7.66 | 2.06 | 0.65 | 10 | 6.99 | 3.38 | 1.07 |
| | 3 | 10 | 10.39 | 4.43 | 1.40 | 10 | 7.36 | 3.05 | 0.97 | 10 | 7.24 | 3.54 | 1.12 |
| | 4 | 10 | 12.30 | 5.34 | 1.69 | 10 | 13.06 | 6.67 | 2.11 | 10 | 7.23 | 3.01 | 0.95 |
| | 5 | 10 | 12.35 | 3.90 | 1.23 | 10 | 8.14 | 2.51 | 0.79 | 10 | 5.37 | 2.78 | 0.88 |
| | 6 | 10 | 6.02 | 3.89 | 1.23 | 10 | 2.65 | 0.70 | 0.22 | 10 | 2.49 | 1.77 | 0.56 |
| | 7 | 10 | 11.36 | 8.95 | 2.83 | 10 | 7.08 | 1.32 | 0.42 | 10 | 3.94 | 1.63 | 0.52 |
| | 8 | 10 | 0.14 | 0.17 | 0.05 | 10 | 0.05 | 0.05 | 0.02 | 10 | 0.02 | 0.04 | 0.01 |
| | 9 | 10 | 52.80 | 16.27 | 5.14 | 10 | 44.38 | 9.82 | 3.10 | 10 | 40.78 | 14.70 | 4.65 |
| | | | | | | | | | | | 10.54 | 3.03 | 1.75 |
| | | | | | | | | | | | 7.63 | 0.63 | 0.37 |
| | | | | | | | | | | | 8.33 | 1.79 | 1.03 |
| | | | | | | | | | | | 10.86 | 3.17 | 1.83 |
| | | | | | | | | | | | 8.62 | 3.52 | 2.03 |
| | | | | | | | | | | | 3.72 | 1.99 | 1.15 |
| | | | | | | | | | | | 7.46 | 3.72 | 2.15 |
| | | | | | | | | | | | 0.07 | 0.06 | 0.04 |
| | | | | | | | | | | | 45.99 | 6.17 | 3.56 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 4E5 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | | | | |
|------------|------------|--------------|--------|--------|---------------|----|--------|---------------|-------|----|------------|-------|-------|---|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | | | | |
| Baseline | 1 | 10 | 67.63 | 24.56 | 7.77 | 10 | 74.91 | 31.63 | 10.00 | 10 | 99.00 | 51.06 | 16.15 | 3 | 80.51 | 16.42 | 9.48 |
| | 2 | 10 | 39.39 | 20.60 | 6.51 | 10 | 45.99 | 20.49 | 6.48 | 10 | 44.22 | 21.20 | 6.70 | 3 | 43.20 | 3.42 | 1.97 |
| | 3 | 10 | 48.50 | 21.56 | 6.82 | 10 | 45.00 | 11.47 | 3.63 | 10 | 42.33 | 20.05 | 6.34 | 3 | 45.28 | 3.10 | 1.79 |
| | 4 | 10 | 61.72 | 68.64 | 21.71 | 10 | 44.55 | 13.89 | 4.39 | 10 | 39.94 | 19.60 | 6.20 | 3 | 48.74 | 11.48 | 6.63 |
| | 5 | 10 | 117.08 | 77.54 | 24.52 | 10 | 80.87 | 23.67 | 7.49 | 10 | 56.63 | 21.04 | 6.65 | 3 | 84.86 | 30.42 | 17.56 |
| | 6 | 10 | 84.14 | 48.07 | 15.20 | 10 | 46.06 | 9.17 | 2.90 | 10 | 28.26 | 11.06 | 3.50 | 3 | 52.82 | 28.55 | 16.48 |
| | 7 | 10 | 257.30 | 156.34 | 49.44 | 10 | 136.56 | 39.37 | 12.45 | 10 | 95.67 | 38.17 | 12.07 | 3 | 163.18 | 84.04 | 48.52 |
| | 8 | 10 | 3.95 | 3.08 | 0.97 | 10 | 1.59 | 1.60 | 0.50 | 10 | 1.73 | 1.35 | 0.43 | 3 | 2.43 | 1.32 | 0.76 |
| | 9 | 10 | 334.33 | 180.18 | 56.98 | 10 | 291.31 | 50.13 | 15.85 | 10 | 282.13 | 41.57 | 13.15 | 3 | 302.59 | 27.87 | 16.09 |
| 30-Minute | 1 | 10 | 58.39 | 35.36 | 11.18 | 10 | 42.43 | 18.92 | 5.98 | 10 | 47.96 | 18.28 | 5.78 | 3 | 49.60 | 8.11 | 4.68 |
| | 2 | 10 | 43.90 | 13.92 | 4.40 | 10 | 39.90 | 15.17 | 4.80 | 10 | 35.53 | 13.27 | 4.20 | 3 | 39.78 | 4.19 | 2.42 |
| | 3 | 10 | 46.84 | 23.94 | 7.57 | 10 | 53.06 | 15.86 | 5.02 | 10 | 45.62 | 19.97 | 6.31 | 3 | 48.51 | 3.99 | 2.31 |
| | 4 | 10 | 44.09 | 15.40 | 4.87 | 10 | 44.60 | 14.23 | 4.50 | 10 | 57.45 | 20.87 | 6.60 | 3 | 48.71 | 7.57 | 4.37 |
| | 5 | 10 | 115.15 | 31.51 | 9.96 | 10 | 99.77 | 34.52 | 10.92 | 10 | 100.13 | 24.89 | 7.87 | 3 | 105.02 | 8.78 | 5.07 |
| | 6 | 10 | 93.89 | 43.50 | 13.76 | 10 | 66.02 | 23.33 | 7.38 | 10 | 83.23 | 40.40 | 12.78 | 3 | 81.05 | 14.06 | 8.12 |
| | 7 | 10 | 264.91 | 63.90 | 20.21 | 10 | 189.19 | 34.02 | 10.76 | 10 | 211.11 | 51.88 | 16.41 | 3 | 221.74 | 38.96 | 22.50 |
| | 8 | 10 | 4.59 | 3.31 | 1.05 | 10 | 2.39 | 1.33 | 0.42 | 10 | 3.64 | 2.10 | 0.66 | 3 | 3.54 | 1.10 | 0.64 |
| | 9 | 10 | 308.37 | 42.67 | 13.49 | 10 | 279.76 | 52.31 | 16.54 | 10 | 286.69 | 45.98 | 14.54 | 3 | 291.61 | 14.92 | 8.62 |
| 90-Minute | 1 | 10 | 34.38 | 17.60 | 5.56 | 10 | 52.67 | 18.76 | 5.93 | 10 | 44.95 | 12.28 | 3.88 | 3 | 44.00 | 9.18 | 5.30 |
| | 2 | 10 | 36.22 | 16.84 | 5.33 | 10 | 40.36 | 22.41 | 7.09 | 10 | 36.32 | 11.86 | 3.75 | 3 | 37.63 | 2.36 | 1.36 |
| | 3 | 10 | 45.43 | 12.44 | 3.93 | 10 | 34.42 | 13.09 | 4.14 | 10 | 34.09 | 10.01 | 3.16 | 3 | 37.98 | 6.45 | 3.73 |
| | 4 | 10 | 52.72 | 15.44 | 4.88 | 10 | 42.45 | 15.49 | 4.90 | 10 | 39.25 | 13.47 | 4.26 | 3 | 44.81 | 7.04 | 4.06 |
| | 5 | 10 | 137.13 | 29.84 | 9.44 | 10 | 112.11 | 19.72 | 6.24 | 10 | 84.09 | 24.04 | 7.60 | 3 | 111.11 | 26.54 | 15.32 |
| | 6 | 10 | 142.55 | 49.44 | 15.64 | 10 | 131.57 | 41.33 | 13.07 | 10 | 124.21 | 95.83 | 30.30 | 3 | 132.78 | 9.23 | 5.33 |
| | 7 | 10 | 308.72 | 68.11 | 21.54 | 10 | 252.45 | 68.63 | 21.70 | 10 | 199.33 | 66.74 | 21.11 | 3 | 253.50 | 54.70 | 31.58 |
| | 8 | 10 | 4.60 | 2.03 | 0.64 | 10 | 3.42 | 1.43 | 0.45 | 10 | 2.95 | 2.47 | 0.78 | 3 | 3.66 | 0.85 | 0.49 |
| | 9 | 10 | 305.89 | 41.80 | 13.22 | 10 | 282.01 | 67.85 | 21.46 | 10 | 238.71 | 31.60 | 9.99 | 3 | 275.53 | 34.05 | 19.66 |
| 300-Minute | 1 | 10 | 30.19 | 11.59 | 3.67 | 10 | 31.72 | 14.01 | 4.43 | 10 | 39.86 | 13.52 | 4.28 | 3 | 33.92 | 5.20 | 3.00 |
| | 2 | 10 | 34.33 | 17.04 | 5.39 | 10 | 33.30 | 13.40 | 4.24 | 10 | 32.90 | 11.13 | 3.52 | 3 | 33.51 | 0.74 | 0.43 |
| | 3 | 10 | 45.72 | 18.31 | 5.79 | 10 | 42.29 | 22.12 | 6.99 | 10 | 38.19 | 10.12 | 3.20 | 3 | 42.07 | 3.77 | 2.18 |
| | 4 | 10 | 40.82 | 9.36 | 2.96 | 10 | 45.06 | 15.32 | 4.84 | 10 | 39.57 | 17.36 | 5.49 | 3 | 41.82 | 2.88 | 1.66 |
| | 5 | 10 | 88.33 | 22.94 | 7.25 | 10 | 93.49 | 23.33 | 7.38 | 10 | 81.36 | 38.35 | 12.13 | 3 | 87.73 | 6.09 | 3.51 |
| | 6 | 10 | 85.10 | 28.74 | 9.09 | 10 | 83.69 | 39.17 | 12.39 | 10 | 72.92 | 23.54 | 7.44 | 3 | 80.57 | 6.66 | 3.85 |
| | 7 | 10 | 240.85 | 46.03 | 14.56 | 10 | 232.49 | 59.72 | 18.88 | 10 | 188.60 | 37.89 | 11.98 | 3 | 220.65 | 28.07 | 16.21 |
| | 8 | 10 | 3.53 | 1.71 | 0.54 | 10 | 3.13 | 1.62 | 0.51 | 10 | 2.57 | 1.20 | 0.38 | 3 | 3.08 | 0.48 | 0.28 |
| | 9 | 10 | 239.38 | 48.22 | 15.25 | 10 | 245.85 | 47.01 | 14.86 | 10 | 231.88 | 37.09 | 11.73 | 3 | 239.04 | 7.00 | 4.04 |

PARAMETER = Total Power
CHANNEL = 3 (Continued)

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|--------|--------|---------------|----|--------|---------------|-------|----|------------|-------|-------|---|--------|--------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| 600-Minute | 1 | 10 | 45.61 | 17.04 | 5.39 | 10 | 47.98 | 25.37 | 8.02 | 10 | 44.20 | 20.77 | 6.57 | 3 | 45.93 | 1.91 | 1.10 |
| | 2 | 10 | 34.02 | 8.89 | 2.81 | 10 | 37.28 | 12.59 | 3.98 | 10 | 30.77 | 16.58 | 5.24 | 3 | 34.02 | 3.26 | 1.88 |
| | 3 | 10 | 45.86 | 9.37 | 2.96 | 10 | 31.34 | 10.00 | 3.16 | 10 | 38.36 | 17.25 | 5.45 | 3 | 38.52 | 7.26 | 4.19 |
| | 4 | 10 | 76.23 | 38.64 | 12.22 | 10 | 38.50 | 11.24 | 3.55 | 10 | 27.80 | 14.26 | 4.51 | 3 | 47.51 | 25.44 | 14.69 |
| | 5 | 10 | 117.36 | 56.75 | 17.95 | 10 | 82.95 | 18.47 | 5.84 | 10 | 22.76 | 17.81 | 5.63 | 3 | 74.36 | 47.88 | 27.64 |
| | 6 | 10 | 68.59 | 48.98 | 15.49 | 10 | 39.95 | 22.75 | 7.19 | 10 | 13.42 | 8.41 | 2.66 | 3 | 40.65 | 27.59 | 15.93 |
| | 7 | 10 | 305.65 | 209.09 | 66.12 | 10 | 184.33 | 31.30 | 9.90 | 10 | 46.18 | 43.82 | 13.86 | 3 | 178.72 | 129.83 | 74.96 |
| | 8 | 10 | 4.79 | 2.49 | 0.79 | 10 | 1.98 | 0.72 | 0.23 | 10 | 0.47 | 0.81 | 0.25 | 3 | 2.41 | 2.19 | 1.27 |
| | 9 | 10 | 319.09 | 99.08 | 31.33 | 10 | 238.05 | 32.63 | 10.32 | 10 | 163.89 | 37.47 | 11.85 | 3 | 240.34 | 77.62 | 44.82 |

PARAMETER = Total Power
CHANNEL = 4 (Continued)

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|--------|-------|---------------|----|--------|---------------|------|----|------------|-------|-------|---|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| 600-Minute | 1 | 10 | 44.00 | 23.62 | 7.47 | 10 | 44.09 | 21.70 | 6.86 | 10 | 38.46 | 16.72 | 5.29 | 3 | 42.18 | 3.23 | 1.86 |
| | 2 | 10 | 29.92 | 14.89 | 4.71 | 10 | 35.85 | 8.06 | 2.55 | 10 | 32.51 | 10.59 | 3.35 | 3 | 32.76 | 2.97 | 1.72 |
| | 3 | 10 | 37.16 | 8.00 | 2.53 | 10 | 34.52 | 12.55 | 3.97 | 10 | 39.14 | 22.00 | 6.96 | 3 | 36.94 | 2.32 | 1.34 |
| | 4 | 10 | 34.19 | 20.21 | 6.39 | 10 | 24.22 | 6.97 | 2.20 | 10 | 19.79 | 10.48 | 3.32 | 3 | 26.07 | 7.38 | 4.26 |
| | 5 | 10 | 40.06 | 19.46 | 6.15 | 10 | 29.76 | 5.28 | 1.67 | 10 | 15.49 | 5.59 | 1.77 | 3 | 28.43 | 12.34 | 7.12 |
| | 6 | 10 | 28.18 | 12.06 | 3.81 | 10 | 24.71 | 9.17 | 2.90 | 10 | 11.03 | 5.42 | 1.71 | 3 | 21.31 | 9.07 | 5.24 |
| | 7 | 10 | 87.34 | 53.26 | 16.84 | 10 | 57.95 | 8.58 | 2.71 | 10 | 24.55 | 14.46 | 4.57 | 3 | 56.61 | 31.41 | 18.14 |
| | 8 | 10 | 1.29 | 0.75 | 0.24 | 10 | 0.88 | 0.39 | 0.12 | 10 | 0.28 | 0.26 | 0.08 | 3 | 0.82 | 0.51 | 0.29 |
| | 9 | 10 | 185.33 | 55.68 | 17.61 | 10 | 168.43 | 28.39 | 8.98 | 10 | 145.40 | 34.77 | 11.00 | 3 | 166.39 | 20.05 | 11.57 |

PARAMETER = Percent Power
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 19.15 | 9.16 | 2.90 | 10 | 10.67 | 9.39 | 2.97 | 10 | 16.41 | 6.24 | 1.97 | 3 | 15.41 | 4.32 | 2.50 |
| | 2 | 10 | 10.59 | 6.28 | 1.99 | 10 | 11.89 | 3.86 | 1.22 | 10 | 12.75 | 4.82 | 1.52 | 3 | 11.75 | 1.09 | 0.63 |
| | 3 | 10 | 16.22 | 5.16 | 1.63 | 10 | 17.28 | 4.23 | 1.34 | 10 | 17.53 | 4.85 | 1.53 | 3 | 17.01 | 0.70 | 0.40 |
| | 4 | 10 | 19.36 | 4.18 | 1.32 | 10 | 23.13 | 7.49 | 2.37 | 10 | 20.49 | 7.66 | 2.42 | 3 | 20.99 | 1.93 | 1.12 |
| | 5 | 10 | 34.68 | 9.88 | 3.13 | 10 | 37.03 | 12.80 | 4.05 | 10 | 32.82 | 11.52 | 3.64 | 3 | 34.84 | 2.11 | 1.22 |
| 30-Minute | 1 | 10 | 28.43 | 13.75 | 4.35 | 10 | 28.83 | 17.93 | 5.67 | 10 | 43.70 | 14.14 | 4.47 | 3 | 33.65 | 8.71 | 5.03 |
| | 2 | 10 | 12.96 | 5.98 | 1.89 | 10 | 14.44 | 4.93 | 1.56 | 10 | 14.22 | 4.48 | 1.42 | 3 | 13.87 | 0.80 | 0.46 |
| | 3 | 10 | 17.08 | 3.81 | 1.20 | 10 | 14.08 | 4.32 | 1.37 | 10 | 13.36 | 4.10 | 1.30 | 3 | 14.84 | 1.97 | 1.14 |
| | 4 | 10 | 18.30 | 7.40 | 2.34 | 10 | 16.64 | 5.48 | 1.73 | 10 | 13.29 | 6.14 | 1.94 | 3 | 16.08 | 2.55 | 1.47 |
| | 5 | 10 | 23.23 | 9.74 | 3.08 | 10 | 26.00 | 13.01 | 4.11 | 10 | 15.42 | 9.75 | 3.08 | 3 | 21.55 | 5.48 | 3.17 |
| 90-Minute | 1 | 10 | 32.62 | 9.85 | 3.11 | 10 | 36.59 | 14.69 | 4.65 | 10 | 27.52 | 11.22 | 3.55 | 3 | 32.24 | 4.54 | 2.62 |
| | 2 | 10 | 19.16 | 6.49 | 2.05 | 10 | 14.52 | 5.97 | 1.89 | 10 | 14.42 | 4.13 | 1.31 | 3 | 16.04 | 2.71 | 1.56 |
| | 3 | 10 | 14.74 | 4.32 | 1.37 | 10 | 10.59 | 4.06 | 1.28 | 10 | 13.69 | 5.05 | 1.60 | 3 | 13.01 | 2.16 | 1.24 |
| | 4 | 10 | 13.72 | 2.97 | 0.94 | 10 | 14.83 | 6.64 | 2.10 | 10 | 19.13 | 5.50 | 1.74 | 3 | 15.89 | 2.86 | 1.65 |
| | 5 | 10 | 19.76 | 12.77 | 4.04 | 10 | 23.47 | 13.10 | 4.14 | 10 | 25.23 | 8.83 | 2.79 | 3 | 22.82 | 2.79 | 1.61 |
| 300-Minute | 1 | 10 | 25.47 | 9.76 | 3.09 | 10 | 31.74 | 16.11 | 5.09 | 10 | 30.50 | 10.53 | 3.33 | 3 | 29.24 | 3.32 | 1.92 |
| | 2 | 10 | 13.19 | 2.50 | 0.79 | 10 | 12.49 | 4.05 | 1.28 | 10 | 16.04 | 6.40 | 2.03 | 3 | 13.91 | 1.88 | 1.09 |
| | 3 | 10 | 12.54 | 5.01 | 1.58 | 10 | 12.63 | 3.25 | 1.03 | 10 | 15.12 | 5.62 | 1.78 | 3 | 13.43 | 1.46 | 0.85 |
| | 4 | 10 | 15.30 | 5.34 | 1.69 | 10 | 15.95 | 5.95 | 1.88 | 10 | 14.74 | 4.96 | 1.57 | 3 | 15.33 | 0.60 | 0.35 |
| | 5 | 10 | 33.50 | 9.79 | 3.10 | 10 | 27.19 | 12.07 | 3.82 | 10 | 23.60 | 10.58 | 3.34 | 3 | 28.09 | 5.01 | 2.89 |
| 600-Minute | 1 | 10 | 40.49 | 15.50 | 4.90 | 10 | 39.22 | 13.05 | 4.13 | 10 | 42.88 | 15.08 | 4.77 | 3 | 40.86 | 1.86 | 1.07 |
| | 2 | 10 | 18.11 | 7.31 | 2.31 | 10 | 16.71 | 4.84 | 1.53 | 10 | 16.40 | 5.02 | 1.59 | 3 | 17.07 | 0.91 | 0.53 |
| | 3 | 10 | 10.64 | 3.52 | 1.11 | 10 | 13.07 | 4.86 | 1.54 | 10 | 15.35 | 5.44 | 1.72 | 3 | 13.02 | 2.35 | 1.36 |
| | 4 | 10 | 12.99 | 8.23 | 2.60 | 10 | 14.49 | 5.66 | 1.79 | 10 | 11.91 | 4.40 | 1.39 | 3 | 13.13 | 1.30 | 0.75 |
| | 5 | 10 | 17.77 | 7.29 | 2.31 | 10 | 16.51 | 4.86 | 1.54 | 10 | 13.46 | 6.46 | 2.04 | 3 | 15.91 | 2.21 | 1.28 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 4E5 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|-------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 28.12 | 8.69 | 2.75 | 10 | 19.36 | 7.95 | 2.51 | 10 | 21.80 | 5.15 | 1.63 |
| | 2 | 10 | 16.70 | 8.77 | 2.77 | 10 | 15.48 | 3.40 | 1.08 | 10 | 17.18 | 4.72 | 1.49 |
| | 3 | 10 | 21.76 | 5.94 | 1.88 | 10 | 27.11 | 8.03 | 2.54 | 10 | 22.30 | 3.79 | 1.20 |
| | 4 | 10 | 18.34 | 4.39 | 1.39 | 10 | 20.89 | 3.85 | 1.22 | 10 | 21.46 | 4.87 | 1.54 |
| | 5 | 10 | 15.09 | 6.36 | 2.01 | 10 | 17.15 | 5.60 | 1.77 | 10 | 17.26 | 6.80 | 2.15 |
| 30-Minute | 1 | 10 | 32.29 | 8.01 | 2.53 | 10 | 30.08 | 8.27 | 2.62 | 10 | 40.03 | 11.70 | 3.70 |
| | 2 | 10 | 18.53 | 6.77 | 2.14 | 10 | 17.20 | 9.38 | 2.97 | 10 | 19.07 | 6.49 | 2.05 |
| | 3 | 10 | 20.90 | 5.75 | 1.82 | 10 | 17.78 | 4.83 | 1.53 | 10 | 16.72 | 8.31 | 2.63 |
| | 4 | 10 | 18.40 | 6.30 | 1.99 | 10 | 19.39 | 6.70 | 2.12 | 10 | 14.41 | 7.46 | 2.36 |
| | 5 | 10 | 9.88 | 5.46 | 1.73 | 10 | 15.55 | 6.40 | 2.02 | 10 | 9.78 | 5.23 | 1.65 |
| 90-Minute | 1 | 10 | 30.86 | 7.50 | 2.37 | 10 | 39.37 | 16.54 | 5.23 | 10 | 34.22 | 10.52 | 3.33 |
| | 2 | 10 | 23.25 | 6.49 | 2.05 | 10 | 19.12 | 5.12 | 1.62 | 10 | 20.65 | 5.60 | 1.77 |
| | 3 | 10 | 16.88 | 6.58 | 2.08 | 10 | 15.36 | 7.41 | 2.34 | 10 | 17.27 | 4.95 | 1.56 |
| | 4 | 10 | 17.79 | 5.52 | 1.75 | 10 | 13.65 | 7.29 | 2.30 | 10 | 14.70 | 3.19 | 1.01 |
| | 5 | 10 | 11.22 | 5.78 | 1.83 | 10 | 12.51 | 6.65 | 2.10 | 10 | 13.17 | 4.19 | 1.32 |
| 300-Minute | 1 | 10 | 28.62 | 8.78 | 2.78 | 10 | 32.32 | 11.46 | 3.62 | 10 | 27.62 | 7.30 | 2.31 |
| | 2 | 10 | 16.45 | 5.32 | 1.68 | 10 | 16.50 | 5.28 | 1.67 | 10 | 24.81 | 9.22 | 2.92 |
| | 3 | 10 | 17.96 | 4.17 | 1.32 | 10 | 16.83 | 5.62 | 1.78 | 10 | 14.12 | 3.32 | 1.05 |
| | 4 | 10 | 15.73 | 5.70 | 1.80 | 10 | 15.65 | 3.60 | 1.14 | 10 | 15.54 | 4.14 | 1.31 |
| | 5 | 10 | 21.24 | 5.86 | 1.85 | 10 | 18.70 | 6.01 | 1.90 | 10 | 17.91 | 9.20 | 2.91 |
| 600-Minute | 1 | 10 | 30.94 | 8.35 | 2.64 | 10 | 30.98 | 10.30 | 3.26 | 10 | 35.09 | 11.11 | 3.51 |
| | 2 | 10 | 23.10 | 6.86 | 2.17 | 10 | 17.33 | 4.55 | 1.44 | 10 | 21.11 | 7.78 | 2.46 |
| | 3 | 10 | 13.03 | 4.38 | 1.38 | 10 | 16.45 | 4.35 | 1.37 | 10 | 16.23 | 7.09 | 2.24 |
| | 4 | 10 | 15.21 | 5.42 | 1.72 | 10 | 18.32 | 6.10 | 1.93 | 10 | 15.09 | 5.42 | 1.71 |
| | 5 | 10 | 17.73 | 5.25 | 1.66 | 10 | 16.92 | 5.24 | 1.66 | 10 | 12.47 | 3.60 | 1.14 |
| | 1 | 10 | 32.34 | 2.39 | 1.38 | 10 | 32.34 | 2.39 | 1.38 | 10 | 32.34 | 2.39 | 1.38 |
| | 2 | 10 | 20.51 | 2.93 | 1.69 | 10 | 20.51 | 2.93 | 1.69 | 10 | 20.51 | 2.93 | 1.69 |
| | 3 | 10 | 15.23 | 1.92 | 1.11 | 10 | 15.23 | 1.92 | 1.11 | 10 | 15.23 | 1.92 | 1.11 |
| | 4 | 10 | 16.21 | 1.83 | 1.06 | 10 | 16.21 | 1.83 | 1.06 | 10 | 16.21 | 1.83 | 1.06 |
| | 5 | 10 | 15.70 | 2.83 | 1.63 | 10 | 15.70 | 2.83 | 1.63 | 10 | 15.70 | 2.83 | 1.63 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
 TASK: 89-09
 DESCRIPTIVE STATISTICS FOR ANIMAL 4E5 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
 CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | | | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | | | | |
| Baseline | 1 | 10 | 22.35 | 10.38 | 3.28 | 10 | 16.61 | 5.16 | 1.63 | 10 | 25.38 | 6.61 | 2.09 | 3 | 21.45 | 4.45 | 2.57 |
| | 2 | 10 | 13.85 | 5.79 | 1.83 | 10 | 14.03 | 3.48 | 1.10 | 10 | 16.49 | 5.90 | 1.87 | 3 | 14.79 | 1.47 | 0.85 |
| | 3 | 10 | 22.22 | 6.61 | 2.09 | 10 | 18.60 | 4.26 | 1.35 | 10 | 16.73 | 6.33 | 2.00 | 3 | 19.18 | 2.79 | 1.61 |
| | 4 | 10 | 17.61 | 5.53 | 1.75 | 10 | 21.11 | 7.12 | 2.25 | 10 | 20.81 | 4.29 | 1.36 | 3 | 19.84 | 1.94 | 1.12 |
| | 5 | 10 | 23.97 | 8.70 | 2.75 | 10 | 29.65 | 7.44 | 2.35 | 10 | 20.60 | 6.83 | 2.16 | 3 | 24.74 | 4.58 | 2.64 |
| 30-Minute | 1 | 10 | 29.31 | 11.79 | 3.73 | 10 | 28.72 | 13.34 | 4.22 | 10 | 37.38 | 11.65 | 3.68 | 3 | 31.80 | 4.84 | 2.79 |
| | 2 | 10 | 16.69 | 5.30 | 1.68 | 10 | 13.09 | 4.96 | 1.57 | 10 | 18.11 | 5.68 | 1.79 | 3 | 15.96 | 2.59 | 1.49 |
| | 3 | 10 | 17.82 | 6.48 | 2.05 | 10 | 14.48 | 6.09 | 1.93 | 10 | 14.79 | 3.48 | 1.10 | 3 | 15.70 | 1.84 | 1.06 |
| | 4 | 10 | 15.89 | 5.94 | 1.88 | 10 | 20.11 | 7.30 | 2.31 | 10 | 15.50 | 5.62 | 1.78 | 3 | 17.17 | 2.56 | 1.48 |
| | 5 | 10 | 20.28 | 15.28 | 4.83 | 10 | 23.59 | 9.37 | 2.96 | 10 | 14.21 | 6.96 | 2.20 | 3 | 19.36 | 4.76 | 2.75 |
| 90-Minute | 1 | 10 | 36.92 | 10.33 | 3.27 | 10 | 31.57 | 12.07 | 3.82 | 10 | 30.62 | 4.68 | 1.48 | 3 | 33.03 | 3.40 | 1.96 |
| | 2 | 10 | 16.92 | 5.13 | 1.62 | 10 | 15.47 | 5.18 | 1.64 | 10 | 15.56 | 8.31 | 2.63 | 3 | 15.98 | 0.81 | 0.47 |
| | 3 | 10 | 16.30 | 3.30 | 1.05 | 10 | 15.95 | 4.74 | 1.50 | 10 | 12.63 | 3.35 | 1.06 | 3 | 14.96 | 2.03 | 1.17 |
| | 4 | 10 | 16.24 | 7.64 | 2.41 | 10 | 16.33 | 4.45 | 1.41 | 10 | 17.89 | 5.03 | 1.59 | 3 | 16.82 | 0.93 | 0.54 |
| | 5 | 10 | 13.62 | 5.84 | 1.85 | 10 | 20.67 | 15.18 | 4.80 | 10 | 23.30 | 7.40 | 2.34 | 3 | 19.20 | 5.01 | 2.89 |
| 300-Minute | 1 | 10 | 24.28 | 7.96 | 2.52 | 10 | 24.98 | 6.15 | 1.95 | 10 | 30.42 | 6.16 | 1.95 | 3 | 26.56 | 3.36 | 1.94 |
| | 2 | 10 | 10.36 | 3.05 | 0.96 | 10 | 11.66 | 4.15 | 1.31 | 10 | 18.28 | 6.75 | 2.14 | 3 | 13.43 | 4.25 | 2.45 |
| | 3 | 10 | 10.97 | 3.73 | 1.18 | 10 | 10.64 | 2.63 | 0.83 | 10 | 12.72 | 3.99 | 1.26 | 3 | 11.44 | 1.12 | 0.65 |
| | 4 | 10 | 14.62 | 5.23 | 1.65 | 10 | 20.16 | 5.62 | 1.78 | 10 | 13.65 | 3.83 | 1.21 | 3 | 16.14 | 3.51 | 2.03 |
| | 5 | 10 | 39.77 | 11.22 | 3.55 | 10 | 32.56 | 7.75 | 2.45 | 10 | 24.93 | 5.62 | 1.78 | 3 | 32.42 | 7.42 | 4.28 |
| 600-Minute | 1 | 10 | 25.90 | 8.19 | 2.59 | 10 | 21.26 | 5.73 | 1.81 | 10 | 22.99 | 6.17 | 1.95 | 3 | 23.38 | 2.34 | 1.35 |
| | 2 | 10 | 12.54 | 2.99 | 0.94 | 10 | 13.85 | 4.26 | 1.35 | 10 | 17.75 | 5.18 | 1.64 | 3 | 14.71 | 2.71 | 1.56 |
| | 3 | 10 | 10.54 | 3.21 | 1.01 | 10 | 11.16 | 3.21 | 1.01 | 10 | 9.52 | 3.02 | 0.96 | 3 | 10.41 | 0.83 | 0.48 |
| | 4 | 10 | 17.86 | 5.96 | 1.89 | 10 | 21.67 | 6.22 | 1.97 | 10 | 18.47 | 5.14 | 1.62 | 3 | 19.33 | 2.04 | 1.18 |
| | 5 | 10 | 33.16 | 8.39 | 2.65 | 10 | 32.06 | 4.97 | 1.57 | 10 | 31.27 | 8.96 | 2.83 | 3 | 32.17 | 0.95 | 0.55 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 4E5 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 24.50 | 14.69 | 4.65 | 10 | 16.45 | 5.76 | 1.82 | 10 | 25.44 | 7.41 | 2.34 | 3 | 22.13 | 4.94 | 2.85 |
| | 2 | 10 | 16.54 | 6.75 | 2.14 | 10 | 15.14 | 3.20 | 1.01 | 10 | 17.85 | 6.73 | 2.13 | 3 | 16.51 | 1.36 | 0.78 |
| | 3 | 10 | 19.74 | 6.22 | 1.97 | 10 | 21.81 | 5.61 | 1.77 | 10 | 18.48 | 5.54 | 1.75 | 3 | 20.01 | 1.68 | 0.97 |
| | 4 | 10 | 15.84 | 6.66 | 2.11 | 10 | 20.18 | 5.82 | 1.84 | 10 | 17.45 | 5.14 | 1.63 | 3 | 17.82 | 2.19 | 1.26 |
| | 5 | 10 | 23.38 | 11.70 | 3.70 | 10 | 26.43 | 7.40 | 2.34 | 10 | 20.78 | 6.73 | 2.13 | 3 | 23.53 | 2.82 | 1.63 |
| 30-Minute | 1 | 10 | 32.39 | 9.95 | 3.15 | 10 | 32.89 | 13.68 | 4.33 | 10 | 43.89 | 11.00 | 3.48 | 3 | 36.39 | 6.50 | 3.75 |
| | 2 | 10 | 17.41 | 6.36 | 2.01 | 10 | 20.08 | 6.37 | 2.02 | 10 | 14.72 | 4.31 | 1.36 | 3 | 17.41 | 2.68 | 1.55 |
| | 3 | 10 | 15.23 | 4.32 | 1.37 | 10 | 16.92 | 5.83 | 1.84 | 10 | 14.96 | 5.74 | 1.81 | 3 | 15.70 | 1.06 | 0.61 |
| | 4 | 10 | 17.59 | 5.01 | 1.58 | 10 | 13.92 | 5.27 | 1.67 | 10 | 16.88 | 9.21 | 2.91 | 3 | 16.13 | 1.95 | 1.12 |
| | 5 | 10 | 17.38 | 8.59 | 2.72 | 10 | 16.19 | 7.56 | 2.39 | 10 | 9.55 | 3.10 | 0.98 | 3 | 14.37 | 4.22 | 2.44 |
| 90-Minute | 1 | 10 | 42.69 | 11.51 | 3.64 | 10 | 34.49 | 8.09 | 2.56 | 10 | 28.60 | 6.47 | 2.05 | 3 | 35.26 | 7.08 | 4.09 |
| | 2 | 10 | 18.55 | 4.57 | 1.45 | 10 | 19.78 | 2.97 | 0.94 | 10 | 18.24 | 8.20 | 2.59 | 3 | 18.86 | 0.82 | 0.47 |
| | 3 | 10 | 13.31 | 3.41 | 1.08 | 10 | 15.62 | 3.96 | 1.25 | 10 | 17.64 | 7.79 | 2.46 | 3 | 15.53 | 2.17 | 1.25 |
| | 4 | 10 | 15.90 | 10.21 | 3.23 | 10 | 16.22 | 4.00 | 1.26 | 10 | 18.04 | 5.82 | 1.84 | 3 | 16.72 | 1.16 | 0.67 |
| | 5 | 10 | 9.55 | 4.31 | 1.36 | 10 | 13.89 | 8.53 | 2.70 | 10 | 17.49 | 6.43 | 2.03 | 3 | 13.64 | 3.97 | 2.29 |
| 300-Minute | 1 | 10 | 33.76 | 12.32 | 3.89 | 10 | 33.40 | 10.99 | 3.48 | 10 | 34.09 | 6.85 | 2.17 | 3 | 33.75 | 0.34 | 0.20 |
| | 2 | 10 | 15.30 | 3.11 | 0.98 | 10 | 21.52 | 6.64 | 2.10 | 10 | 22.65 | 6.35 | 2.01 | 3 | 19.82 | 3.96 | 2.29 |
| | 3 | 10 | 12.42 | 5.04 | 1.59 | 10 | 13.37 | 4.64 | 1.47 | 10 | 15.19 | 4.53 | 1.43 | 3 | 13.66 | 1.40 | 0.81 |
| | 4 | 10 | 15.32 | 4.05 | 1.28 | 10 | 16.31 | 6.02 | 1.90 | 10 | 12.27 | 2.58 | 0.82 | 3 | 14.63 | 2.11 | 1.22 |
| | 5 | 10 | 23.19 | 8.72 | 2.76 | 10 | 15.40 | 4.77 | 1.51 | 10 | 15.81 | 5.18 | 1.64 | 3 | 18.13 | 4.38 | 2.53 |
| 600-Minute | 1 | 10 | 42.10 | 7.66 | 2.42 | 10 | 40.33 | 10.91 | 3.45 | 10 | 38.55 | 7.64 | 2.42 | 3 | 40.33 | 1.77 | 1.02 |
| | 2 | 10 | 18.89 | 4.40 | 1.39 | 10 | 19.62 | 6.06 | 1.91 | 10 | 24.43 | 8.06 | 2.55 | 3 | 20.98 | 3.01 | 1.74 |
| | 3 | 10 | 14.61 | 4.25 | 1.35 | 10 | 13.52 | 3.19 | 1.01 | 10 | 13.81 | 3.44 | 1.09 | 3 | 13.98 | 0.57 | 0.33 |
| | 4 | 10 | 9.56 | 1.93 | 0.61 | 10 | 13.74 | 4.62 | 1.46 | 10 | 9.47 | 4.05 | 1.28 | 3 | 10.92 | 2.44 | 1.41 |
| | 5 | 10 | 14.83 | 5.09 | 1.61 | 10 | 12.78 | 5.32 | 1.68 | 10 | 13.74 | 4.72 | 1.49 | 3 | 13.78 | 1.03 | 0.59 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 4E5 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | | | | |
| Baseline | 1 | 10 | 2.05 | 0.23 | 0.07 | 10 | 2.23 | 0.30 | 0.09 | 10 | 2.02 | 0.16 | 0.05 | 3 | 2.10 | 0.11 | 0.07 |
| | 2 | 10 | 5.76 | 0.43 | 0.14 | 10 | 5.82 | 0.24 | 0.07 | 10 | 5.67 | 0.30 | 0.10 | 3 | 5.75 | 0.08 | 0.04 |
| | 3 | 10 | 10.38 | 0.44 | 0.14 | 10 | 10.05 | 0.52 | 0.16 | 10 | 10.55 | 0.55 | 0.17 | 3 | 10.33 | 0.26 | 0.15 |
| | 4 | 10 | 15.25 | 0.20 | 0.06 | 10 | 15.46 | 0.47 | 0.15 | 10 | 15.27 | 0.30 | 0.09 | 3 | 15.33 | 0.12 | 0.07 |
| | 5 | 10 | 21.47 | 0.51 | 0.16 | 10 | 21.43 | 0.22 | 0.07 | 10 | 21.15 | 0.56 | 0.18 | 3 | 21.35 | 0.17 | 0.10 |
| 30-Minute | 9 | 10 | 13.05 | 1.88 | 0.59 | 10 | 14.20 | 2.10 | 0.67 | 10 | 13.00 | 1.77 | 0.56 | 3 | 13.42 | 0.68 | 0.39 |
| | 1 | 10 | 2.13 | 0.24 | 0.08 | 10 | 1.87 | 0.36 | 0.11 | 10 | 1.80 | 0.28 | 0.09 | 3 | 1.93 | 0.18 | 0.10 |
| | 2 | 10 | 5.68 | 0.36 | 0.11 | 10 | 5.64 | 0.30 | 0.10 | 10 | 5.61 | 0.50 | 0.16 | 3 | 5.64 | 0.03 | 0.02 |
| | 3 | 10 | 10.35 | 0.59 | 0.19 | 10 | 10.14 | 0.43 | 0.14 | 10 | 10.23 | 0.36 | 0.11 | 3 | 10.24 | 0.10 | 0.06 |
| | 4 | 10 | 15.13 | 0.48 | 0.15 | 10 | 15.34 | 0.64 | 0.20 | 10 | 15.23 | 0.27 | 0.09 | 3 | 15.23 | 0.11 | 0.06 |
| 90-Minute | 5 | 10 | 21.12 | 0.55 | 0.17 | 10 | 20.98 | 0.44 | 0.14 | 10 | 21.32 | 0.34 | 0.11 | 3 | 21.14 | 0.17 | 0.10 |
| | 9 | 10 | 10.78 | 2.46 | 0.78 | 10 | 10.72 | 2.87 | 0.91 | 10 | 8.25 | 2.53 | 0.80 | 3 | 9.92 | 1.44 | 0.83 |
| | 1 | 10 | 1.78 | 0.25 | 0.08 | 10 | 2.04 | 0.30 | 0.09 | 10 | 2.01 | 0.19 | 0.06 | 3 | 1.94 | 0.14 | 0.08 |
| | 2 | 10 | 5.86 | 0.32 | 0.10 | 10 | 5.37 | 0.17 | 0.05 | 10 | 5.84 | 0.30 | 0.09 | 3 | 5.69 | 0.28 | 0.16 |
| | 3 | 10 | 10.26 | 0.41 | 0.13 | 10 | 10.11 | 0.46 | 0.15 | 10 | 10.10 | 0.40 | 0.13 | 3 | 10.16 | 0.09 | 0.05 |
| 300-Minute | 4 | 10 | 15.23 | 0.67 | 0.21 | 10 | 15.25 | 0.36 | 0.11 | 10 | 15.28 | 0.40 | 0.13 | 3 | 15.25 | 0.03 | 0.01 |
| | 5 | 10 | 21.24 | 0.46 | 0.14 | 10 | 21.08 | 0.58 | 0.18 | 10 | 21.25 | 0.46 | 0.14 | 3 | 21.19 | 0.09 | 0.05 |
| | 9 | 10 | 9.49 | 2.46 | 0.78 | 10 | 9.77 | 2.96 | 0.93 | 10 | 11.08 | 2.12 | 0.67 | 3 | 10.11 | 0.85 | 0.49 |
| | 1 | 10 | 1.95 | 0.28 | 0.09 | 10 | 1.91 | 0.32 | 0.10 | 10 | 2.02 | 0.31 | 0.10 | 3 | 1.96 | 0.05 | 0.03 |
| | 2 | 10 | 5.43 | 0.51 | 0.16 | 10 | 5.71 | 0.30 | 0.09 | 10 | 5.61 | 0.36 | 0.12 | 3 | 5.58 | 0.14 | 0.08 |
| 600-Minute | 3 | 10 | 10.34 | 0.46 | 0.15 | 10 | 10.00 | 0.32 | 0.10 | 10 | 10.15 | 0.51 | 0.16 | 3 | 10.17 | 0.17 | 0.10 |
| | 4 | 10 | 15.39 | 0.40 | 0.13 | 10 | 15.52 | 0.42 | 0.13 | 10 | 15.39 | 0.42 | 0.13 | 3 | 15.43 | 0.07 | 0.04 |
| | 5 | 10 | 21.14 | 0.38 | 0.12 | 10 | 21.36 | 0.61 | 0.19 | 10 | 21.22 | 0.44 | 0.14 | 3 | 21.24 | 0.11 | 0.07 |
| | 9 | 10 | 11.91 | 1.68 | 0.53 | 10 | 10.88 | 3.00 | 0.95 | 10 | 10.32 | 2.15 | 0.68 | 3 | 11.04 | 0.80 | 0.46 |
| | 1 | 10 | 1.95 | 0.34 | 0.11 | 10 | 1.75 | 0.21 | 0.07 | 10 | 1.83 | 0.15 | 0.05 | 3 | 1.84 | 0.11 | 0.06 |
| | 2 | 10 | 5.62 | 0.25 | 0.08 | 10 | 5.60 | 0.38 | 0.12 | 10 | 5.75 | 0.30 | 0.09 | 3 | 5.66 | 0.08 | 0.05 |
| | 3 | 10 | 10.14 | 0.33 | 0.10 | 10 | 10.10 | 0.43 | 0.14 | 10 | 9.82 | 0.41 | 0.13 | 3 | 10.02 | 0.17 | 0.10 |
| | 4 | 10 | 15.20 | 0.31 | 0.10 | 10 | 15.26 | 0.39 | 0.12 | 10 | 15.26 | 0.53 | 0.17 | 3 | 15.24 | 0.03 | 0.02 |
| | 5 | 10 | 21.22 | 0.60 | 0.19 | 10 | 21.11 | 0.42 | 0.13 | 10 | 21.22 | 0.55 | 0.17 | 3 | 21.19 | 0.06 | 0.04 |
| | 9 | 10 | 8.58 | 2.43 | 0.77 | 10 | 8.62 | 1.79 | 0.57 | 10 | 7.92 | 2.06 | 0.65 | 3 | 8.37 | 0.39 | 0.23 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 4E5 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 2.04 | 0.35 | 0.11 | 10 | 2.24 | 0.28 | 0.09 | 10 | 2.19 | 0.31 | 0.10 | 3 | 2.16 | 0.10 | 0.06 |
| | 2 | 10 | 5.93 | 0.52 | 0.16 | 10 | 5.65 | 0.35 | 0.11 | 10 | 5.64 | 0.34 | 0.11 | 3 | 5.74 | 0.16 | 0.09 |
| | 3 | 10 | 10.17 | 0.53 | 0.17 | 10 | 10.35 | 0.38 | 0.12 | 10 | 10.47 | 0.50 | 0.16 | 3 | 10.33 | 0.16 | 0.09 |
| | 4 | 10 | 15.08 | 0.31 | 0.10 | 10 | 14.97 | 0.22 | 0.07 | 10 | 15.07 | 0.58 | 0.18 | 3 | 15.04 | 0.06 | 0.04 |
| | 5 | 10 | 21.01 | 0.36 | 0.12 | 10 | 20.93 | 0.16 | 0.05 | 10 | 20.79 | 0.52 | 0.16 | 3 | 20.91 | 0.11 | 0.07 |
| 30-Minute | 9 | 10 | 9.70 | 1.65 | 0.52 | 10 | 10.85 | 1.02 | 0.32 | 10 | 10.61 | 0.72 | 0.23 | 3 | 10.39 | 0.61 | 0.35 |
| | 1 | 10 | 2.19 | 0.30 | 0.10 | 10 | 2.12 | 0.25 | 0.08 | 10 | 2.00 | 0.18 | 0.06 | 3 | 2.11 | 0.10 | 0.06 |
| | 2 | 10 | 5.62 | 0.34 | 0.11 | 10 | 5.50 | 0.37 | 0.12 | 10 | 5.52 | 0.34 | 0.11 | 3 | 5.55 | 0.06 | 0.04 |
| | 3 | 10 | 10.49 | 0.28 | 0.09 | 10 | 10.26 | 0.46 | 0.15 | 10 | 10.12 | 0.35 | 0.11 | 3 | 10.29 | 0.19 | 0.11 |
| | 4 | 10 | 14.93 | 0.41 | 0.13 | 10 | 15.38 | 0.35 | 0.11 | 10 | 14.77 | 0.29 | 0.09 | 3 | 15.03 | 0.32 | 0.18 |
| 90-Minute | 5 | 10 | 20.72 | 0.60 | 0.19 | 10 | 20.90 | 0.35 | 0.11 | 10 | 21.19 | 0.45 | 0.14 | 3 | 20.94 | 0.24 | 0.14 |
| | 9 | 10 | 8.74 | 1.06 | 0.33 | 10 | 9.62 | 1.48 | 0.47 | 10 | 7.76 | 1.86 | 0.59 | 3 | 8.71 | 0.93 | 0.54 |
| | 1 | 10 | 2.13 | 0.17 | 0.05 | 10 | 1.96 | 0.29 | 0.09 | 10 | 2.07 | 0.28 | 0.09 | 3 | 2.06 | 0.09 | 0.05 |
| | 2 | 10 | 5.56 | 0.27 | 0.09 | 10 | 5.61 | 0.42 | 0.13 | 10 | 5.69 | 0.29 | 0.09 | 3 | 5.62 | 0.07 | 0.04 |
| | 3 | 10 | 10.15 | 0.53 | 0.17 | 10 | 9.90 | 0.40 | 0.13 | 10 | 9.92 | 0.29 | 0.09 | 3 | 9.99 | 0.14 | 0.08 |
| 300-Minute | 4 | 10 | 15.18 | 0.40 | 0.13 | 10 | 15.22 | 0.40 | 0.13 | 10 | 15.10 | 0.39 | 0.12 | 3 | 15.17 | 0.06 | 0.03 |
| | 5 | 10 | 20.92 | 0.62 | 0.20 | 10 | 21.01 | 0.53 | 0.17 | 10 | 21.44 | 0.44 | 0.14 | 3 | 21.12 | 0.28 | 0.16 |
| | 9 | 10 | 8.71 | 1.10 | 0.35 | 10 | 8.05 | 2.29 | 0.72 | 10 | 8.67 | 1.32 | 0.42 | 3 | 8.48 | 0.37 | 0.21 |
| | 1 | 10 | 2.03 | 0.20 | 0.06 | 10 | 2.10 | 0.34 | 0.11 | 10 | 2.11 | 0.27 | 0.08 | 3 | 2.08 | 0.05 | 0.03 |
| | 2 | 10 | 5.63 | 0.42 | 0.13 | 10 | 5.63 | 0.43 | 0.14 | 10 | 5.52 | 0.23 | 0.07 | 3 | 5.59 | 0.06 | 0.04 |
| 600-Minute | 3 | 10 | 10.21 | 0.44 | 0.14 | 10 | 10.15 | 0.47 | 0.15 | 10 | 10.08 | 0.43 | 0.14 | 3 | 10.15 | 0.06 | 0.04 |
| | 4 | 10 | 15.23 | 0.34 | 0.11 | 10 | 15.12 | 0.27 | 0.09 | 10 | 15.52 | 0.39 | 0.12 | 3 | 15.29 | 0.21 | 0.12 |
| | 5 | 10 | 20.88 | 0.45 | 0.14 | 10 | 21.27 | 0.54 | 0.17 | 10 | 20.83 | 0.23 | 0.07 | 3 | 20.99 | 0.24 | 0.14 |
| | 9 | 10 | 10.14 | 1.18 | 0.37 | 10 | 9.64 | 1.46 | 0.46 | 10 | 9.51 | 1.39 | 0.44 | 3 | 9.76 | 0.33 | 0.19 |
| | 1 | 10 | 2.19 | 0.25 | 0.08 | 10 | 2.12 | 0.30 | 0.09 | 10 | 1.98 | 0.20 | 0.06 | 3 | 2.10 | 0.11 | 0.06 |
| | 2 | 10 | 5.54 | 0.30 | 0.09 | 10 | 5.81 | 0.51 | 0.16 | 10 | 5.69 | 0.16 | 0.05 | 3 | 5.68 | 0.13 | 0.08 |
| | 3 | 10 | 10.18 | 0.41 | 0.13 | 10 | 10.16 | 0.50 | 0.16 | 10 | 9.80 | 0.38 | 0.12 | 3 | 10.05 | 0.21 | 0.12 |
| | 4 | 10 | 15.30 | 0.31 | 0.10 | 10 | 15.37 | 0.39 | 0.12 | 10 | 15.24 | 0.35 | 0.11 | 3 | 15.30 | 0.07 | 0.04 |
| | 5 | 10 | 21.26 | 0.38 | 0.12 | 10 | 20.94 | 0.40 | 0.13 | 10 | 21.22 | 0.55 | 0.17 | 3 | 21.14 | 0.17 | 0.10 |
| | 9 | 10 | 9.38 | 1.26 | 0.40 | 10 | 9.69 | 1.78 | 0.56 | 10 | 8.43 | 1.45 | 0.46 | 3 | 9.16 | 0.66 | 0.38 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 4E5 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 2.23 | 0.31 | 0.10 | 10 | 2.24 | 0.25 | 0.08 | 10 | 2.23 | 0.22 | 0.07 |
| | 2 | 10 | 5.85 | 0.38 | 0.12 | 10 | 5.73 | 0.34 | 0.11 | 10 | 5.42 | 0.34 | 0.11 |
| | 3 | 10 | 10.13 | 0.27 | 0.09 | 10 | 10.27 | 0.48 | 0.15 | 10 | 10.12 | 0.30 | 0.10 |
| | 4 | 10 | 15.14 | 0.39 | 0.12 | 10 | 15.21 | 0.33 | 0.11 | 10 | 15.13 | 0.32 | 0.10 |
| | 5 | 10 | 21.46 | 0.57 | 0.18 | 10 | 21.83 | 0.43 | 0.13 | 10 | 21.35 | 0.51 | 0.16 |
| 30-Minute | 9 | 10 | 11.37 | 1.93 | 0.61 | 10 | 12.79 | 0.97 | 0.31 | 10 | 10.71 | 1.62 | 0.51 |
| | 1 | 10 | 2.17 | 0.18 | 0.06 | 10 | 2.10 | 0.28 | 0.09 | 10 | 2.12 | 0.21 | 0.07 |
| | 2 | 10 | 5.44 | 0.34 | 0.11 | 10 | 5.62 | 0.41 | 0.13 | 10 | 5.61 | 0.32 | 0.10 |
| | 3 | 10 | 10.37 | 0.23 | 0.07 | 10 | 10.42 | 0.39 | 0.12 | 10 | 10.10 | 0.42 | 0.13 |
| | 4 | 10 | 15.03 | 0.44 | 0.14 | 10 | 15.34 | 0.42 | 0.13 | 10 | 14.91 | 0.40 | 0.13 |
| 90-Minute | 5 | 10 | 21.09 | 0.84 | 0.26 | 10 | 21.31 | 0.53 | 0.17 | 10 | 21.57 | 0.52 | 0.16 |
| | 9 | 10 | 10.14 | 2.85 | 0.90 | 10 | 10.95 | 2.43 | 0.77 | 10 | 8.67 | 1.80 | 0.57 |
| | 1 | 10 | 2.00 | 0.34 | 0.11 | 10 | 2.18 | 0.28 | 0.09 | 10 | 2.13 | 0.33 | 0.10 |
| | 2 | 10 | 5.48 | 0.19 | 0.06 | 10 | 5.49 | 0.27 | 0.09 | 10 | 5.75 | 0.27 | 0.09 |
| | 3 | 10 | 10.44 | 0.31 | 0.10 | 10 | 10.10 | 0.43 | 0.14 | 10 | 10.20 | 0.50 | 0.16 |
| 300-Minute | 4 | 10 | 15.09 | 0.34 | 0.11 | 10 | 14.90 | 0.31 | 0.10 | 10 | 15.02 | 0.34 | 0.11 |
| | 5 | 10 | 21.22 | 0.34 | 0.11 | 10 | 21.39 | 0.42 | 0.13 | 10 | 21.39 | 0.43 | 0.14 |
| | 9 | 10 | 8.73 | 1.86 | 0.59 | 10 | 9.99 | 2.59 | 0.82 | 10 | 10.52 | 1.46 | 0.46 |
| | 1 | 10 | 2.13 | 0.21 | 0.07 | 10 | 2.14 | 0.22 | 0.07 | 10 | 2.21 | 0.41 | 0.13 |
| | 2 | 10 | 5.57 | 0.48 | 0.15 | 10 | 5.52 | 0.23 | 0.07 | 10 | 5.51 | 0.31 | 0.10 |
| 600-Minute | 3 | 10 | 10.33 | 0.40 | 0.13 | 10 | 10.44 | 0.46 | 0.15 | 10 | 10.25 | 0.37 | 0.12 |
| | 4 | 10 | 15.63 | 0.41 | 0.13 | 10 | 15.36 | 0.51 | 0.16 | 10 | 15.30 | 0.17 | 0.06 |
| | 5 | 10 | 21.26 | 0.71 | 0.22 | 10 | 21.02 | 0.50 | 0.16 | 10 | 21.10 | 0.47 | 0.15 |
| | 9 | 10 | 12.94 | 1.68 | 0.53 | 10 | 12.22 | 1.52 | 0.48 | 10 | 10.32 | 0.51 | 0.16 |
| | 1 | 10 | 2.10 | 0.33 | 0.10 | 10 | 2.17 | 0.27 | 0.09 | 10 | 2.12 | 0.28 | 0.09 |
| | 2 | 10 | 5.50 | 0.37 | 0.12 | 10 | 5.51 | 0.36 | 0.11 | 10 | 5.69 | 0.26 | 0.08 |
| | 3 | 10 | 10.20 | 0.65 | 0.21 | 10 | 10.33 | 0.31 | 0.10 | 10 | 10.21 | 0.42 | 0.13 |
| | 4 | 10 | 15.65 | 0.36 | 0.11 | 10 | 15.58 | 0.33 | 0.10 | 10 | 15.58 | 0.33 | 0.10 |
| | 5 | 10 | 20.81 | 0.40 | 0.13 | 10 | 21.11 | 0.31 | 0.10 | 10 | 20.80 | 0.49 | 0.16 |
| | 9 | 10 | 12.01 | 1.47 | 0.46 | 10 | 12.53 | 0.98 | 0.31 | 10 | 11.89 | 1.73 | 0.55 |
| | 1 | 10 | 2.13 | 0.03 | 0.03 | 10 | 2.13 | 0.03 | 0.03 | 10 | 2.13 | 0.03 | 0.03 |
| | 2 | 10 | 5.53 | 0.03 | 0.03 | 10 | 5.53 | 0.03 | 0.03 | 10 | 5.53 | 0.03 | 0.03 |
| | 3 | 10 | 10.34 | 0.10 | 0.06 | 10 | 10.34 | 0.10 | 0.06 | 10 | 10.34 | 0.10 | 0.06 |
| | 4 | 10 | 15.43 | 0.18 | 0.10 | 10 | 15.43 | 0.18 | 0.10 | 10 | 15.43 | 0.18 | 0.10 |
| | 5 | 10 | 21.13 | 0.12 | 0.07 | 10 | 21.13 | 0.12 | 0.07 | 10 | 21.13 | 0.12 | 0.07 |
| | 9 | 10 | 11.82 | 1.35 | 0.78 | 10 | 11.82 | 1.35 | 0.78 | 10 | 11.82 | 1.35 | 0.78 |
| | 1 | 10 | 2.13 | 0.03 | 0.03 | 10 | 2.13 | 0.03 | 0.03 | 10 | 2.13 | 0.03 | 0.03 |
| | 2 | 10 | 5.57 | 0.11 | 0.06 | 10 | 5.57 | 0.11 | 0.06 | 10 | 5.57 | 0.11 | 0.06 |
| | 3 | 10 | 10.25 | 0.07 | 0.04 | 10 | 10.25 | 0.07 | 0.04 | 10 | 10.25 | 0.07 | 0.04 |
| | 4 | 10 | 15.61 | 0.04 | 0.02 | 10 | 15.61 | 0.04 | 0.02 | 10 | 15.61 | 0.04 | 0.02 |
| | 5 | 10 | 20.91 | 0.18 | 0.10 | 10 | 20.91 | 0.18 | 0.10 | 10 | 20.91 | 0.18 | 0.10 |
| | 9 | 10 | 12.14 | 0.34 | 0.20 | 10 | 12.14 | 0.34 | 0.20 | 10 | 12.14 | 0.34 | 0.20 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 4E5 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | | | | |
| Baseline | 1 | 10 | 2.16 | 0.29 | 0.09 | 10 | 2.26 | 0.29 | 0.09 | 10 | 2.20 | 0.29 | 0.09 | 3 | 2.20 | 0.05 | 0.03 |
| | 2 | 10 | 5.83 | 0.45 | 0.14 | 10 | 5.79 | 0.24 | 0.08 | 10 | 5.65 | 0.25 | 0.08 | 3 | 5.76 | 0.10 | 0.06 |
| | 3 | 10 | 9.91 | 0.29 | 0.09 | 10 | 10.24 | 0.34 | 0.11 | 10 | 10.25 | 0.32 | 0.10 | 3 | 10.13 | 0.19 | 0.11 |
| | 4 | 10 | 15.10 | 0.34 | 0.11 | 10 | 15.35 | 0.38 | 0.12 | 10 | 15.23 | 0.65 | 0.21 | 3 | 15.23 | 0.13 | 0.07 |
| | 5 | 10 | 21.51 | 0.45 | 0.14 | 10 | 21.09 | 0.50 | 0.16 | 10 | 21.24 | 0.46 | 0.15 | 3 | 21.28 | 0.21 | 0.12 |
| 30-Minute | 9 | 10 | 10.91 | 2.63 | 0.83 | 10 | 12.16 | 1.03 | 0.33 | 10 | 10.54 | 1.65 | 0.52 | 3 | 11.20 | 0.85 | 0.49 |
| | 1 | 10 | 2.02 | 0.22 | 0.07 | 10 | 2.05 | 0.21 | 0.07 | 10 | 2.09 | 0.25 | 0.08 | 3 | 2.05 | 0.04 | 0.02 |
| | 2 | 10 | 5.56 | 0.48 | 0.15 | 10 | 5.63 | 0.49 | 0.15 | 10 | 5.72 | 0.26 | 0.08 | 3 | 5.64 | 0.08 | 0.05 |
| | 3 | 10 | 10.17 | 0.32 | 0.10 | 10 | 10.21 | 0.36 | 0.11 | 10 | 9.97 | 0.50 | 0.16 | 3 | 10.12 | 0.13 | 0.08 |
| | 4 | 10 | 15.26 | 0.40 | 0.13 | 10 | 15.04 | 0.37 | 0.12 | 10 | 14.90 | 0.45 | 0.14 | 3 | 15.06 | 0.18 | 0.10 |
| 90-Minute | 5 | 10 | 21.03 | 0.31 | 0.10 | 10 | 20.94 | 0.63 | 0.20 | 10 | 21.20 | 0.41 | 0.13 | 3 | 21.06 | 0.13 | 0.08 |
| | 9 | 10 | 9.49 | 1.71 | 0.54 | 10 | 9.06 | 1.91 | 0.60 | 10 | 7.77 | 1.45 | 0.46 | 3 | 8.77 | 0.89 | 0.52 |
| | 1 | 10 | 2.07 | 0.30 | 0.10 | 10 | 2.13 | 0.23 | 0.07 | 10 | 2.21 | 0.43 | 0.14 | 3 | 2.14 | 0.07 | 0.04 |
| | 2 | 10 | 5.62 | 0.32 | 0.10 | 10 | 5.56 | 0.45 | 0.14 | 10 | 5.65 | 0.32 | 0.10 | 3 | 5.61 | 0.05 | 0.03 |
| | 3 | 10 | 10.34 | 0.38 | 0.12 | 10 | 10.11 | 0.34 | 0.11 | 10 | 9.85 | 0.37 | 0.12 | 3 | 10.10 | 0.25 | 0.14 |
| 300-Minute | 4 | 10 | 15.07 | 0.43 | 0.13 | 10 | 15.15 | 0.32 | 0.10 | 10 | 15.04 | 0.43 | 0.14 | 3 | 15.09 | 0.05 | 0.03 |
| | 5 | 10 | 21.15 | 0.66 | 0.21 | 10 | 21.16 | 0.43 | 0.14 | 10 | 21.31 | 0.33 | 0.10 | 3 | 21.21 | 0.09 | 0.05 |
| | 9 | 10 | 7.70 | 1.64 | 0.52 | 10 | 8.82 | 1.59 | 0.50 | 10 | 9.85 | 1.29 | 0.41 | 3 | 8.79 | 1.07 | 0.62 |
| | 1 | 10 | 2.02 | 0.18 | 0.06 | 10 | 1.98 | 0.30 | 0.10 | 10 | 2.20 | 0.33 | 0.11 | 3 | 2.07 | 0.11 | 0.07 |
| | 2 | 10 | 5.84 | 0.33 | 0.10 | 10 | 5.58 | 0.43 | 0.14 | 10 | 5.49 | 0.40 | 0.13 | 3 | 5.63 | 0.18 | 0.11 |
| 600-Minute | 3 | 10 | 10.21 | 0.35 | 0.11 | 10 | 10.25 | 0.46 | 0.15 | 10 | 10.28 | 0.39 | 0.12 | 3 | 10.25 | 0.04 | 0.02 |
| | 4 | 10 | 15.26 | 0.54 | 0.17 | 10 | 15.30 | 0.38 | 0.12 | 10 | 15.24 | 0.28 | 0.09 | 3 | 15.27 | 0.03 | 0.02 |
| | 5 | 10 | 21.04 | 0.57 | 0.18 | 10 | 20.86 | 0.44 | 0.14 | 10 | 21.03 | 0.40 | 0.13 | 3 | 20.98 | 0.10 | 0.06 |
| | 9 | 10 | 10.05 | 1.87 | 0.59 | 10 | 8.92 | 1.31 | 0.42 | 10 | 8.75 | 0.98 | 0.31 | 3 | 9.24 | 0.71 | 0.41 |
| | 1 | 10 | 2.02 | 0.31 | 0.10 | 10 | 2.10 | 0.24 | 0.08 | 10 | 2.24 | 0.21 | 0.07 | 3 | 2.12 | 0.11 | 0.06 |
| 600-Minute | 2 | 10 | 5.49 | 0.44 | 0.14 | 10 | 5.47 | 0.27 | 0.09 | 10 | 5.56 | 0.33 | 0.11 | 3 | 5.51 | 0.05 | 0.03 |
| | 3 | 10 | 10.07 | 0.36 | 0.11 | 10 | 10.21 | 0.23 | 0.07 | 10 | 10.07 | 0.33 | 0.10 | 3 | 10.11 | 0.08 | 0.05 |
| | 4 | 10 | 15.18 | 0.42 | 0.13 | 10 | 15.18 | 0.41 | 0.13 | 10 | 15.06 | 0.38 | 0.12 | 3 | 15.14 | 0.07 | 0.04 |
| | 5 | 10 | 20.98 | 0.48 | 0.15 | 10 | 21.30 | 0.58 | 0.18 | 10 | 21.10 | 0.50 | 0.16 | 3 | 21.13 | 0.16 | 0.09 |
| | 9 | 10 | 7.91 | 0.97 | 0.31 | 10 | 8.10 | 1.51 | 0.48 | 10 | 7.96 | 1.07 | 0.34 | 3 | 7.99 | 0.10 | 0.06 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 4E5 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | | | | |
| Baseline | 1 | 7 | 2.14 | 0.48 | 0.18 | 9 | 2.83 | 0.35 | 0.12 | 7 | 2.07 | 0.73 | 0.28 | 3 | 2.35 | 0.42 | 0.24 |
| | 2 | 9 | 6.61 | 1.29 | 0.43 | 10 | 5.90 | 0.81 | 0.26 | 10 | 5.95 | 1.17 | 0.37 | 3 | 6.15 | 0.40 | 0.23 |
| | 3 | 10 | 10.45 | 1.09 | 0.35 | 10 | 10.25 | 1.27 | 0.40 | 10 | 10.70 | 1.42 | 0.45 | 3 | 10.47 | 0.23 | 0.13 |
| | 4 | 10 | 15.70 | 0.82 | 0.26 | 10 | 15.95 | 1.23 | 0.39 | 10 | 15.55 | 1.42 | 0.45 | 3 | 15.73 | 0.20 | 0.12 |
| | 5 | 10 | 21.65 | 1.90 | 0.60 | 10 | 22.35 | 2.17 | 0.69 | 10 | 20.55 | 1.92 | 0.61 | 3 | 21.52 | 0.91 | 0.52 |
| | 9 | 10 | 15.20 | 8.08 | 2.56 | 10 | 18.10 | 6.35 | 2.01 | 10 | 12.45 | 7.99 | 2.53 | 3 | 15.25 | 2.83 | 1.63 |
| 30-Minute | 1 | 9 | 2.44 | 0.53 | 0.18 | 5 | 2.40 | 0.89 | 0.40 | 5 | 2.90 | 0.82 | 0.37 | 3 | 2.58 | 0.28 | 0.16 |
| | 2 | 8 | 6.31 | 1.22 | 0.43 | 10 | 5.75 | 0.82 | 0.26 | 9 | 5.94 | 0.77 | 0.26 | 3 | 6.00 | 0.29 | 0.16 |
| | 3 | 10 | 10.50 | 1.53 | 0.48 | 10 | 9.55 | 1.12 | 0.35 | 10 | 11.10 | 1.39 | 0.44 | 3 | 10.38 | 0.78 | 0.45 |
| | 4 | 10 | 15.20 | 1.09 | 0.34 | 10 | 15.70 | 1.40 | 0.44 | 10 | 15.10 | 1.02 | 0.32 | 3 | 15.33 | 0.32 | 0.19 |
| | 5 | 10 | 21.20 | 1.46 | 0.46 | 10 | 21.65 | 1.47 | 0.47 | 10 | 22.30 | 1.65 | 0.52 | 3 | 21.72 | 0.55 | 0.32 |
| | 9 | 10 | 8.05 | 8.99 | 2.84 | 10 | 12.45 | 8.46 | 2.67 | 10 | 8.75 | 7.24 | 2.29 | 3 | 9.75 | 2.36 | 1.37 |
| 90-Minute | 1 | 6 | 2.58 | 0.86 | 0.35 | 8 | 2.50 | 0.76 | 0.27 | 8 | 2.25 | 0.53 | 0.19 | 3 | 2.44 | 0.17 | 0.10 |
| | 2 | 10 | 6.25 | 0.86 | 0.27 | 10 | 5.95 | 1.12 | 0.35 | 10 | 6.50 | 0.75 | 0.24 | 3 | 6.23 | 0.28 | 0.16 |
| | 3 | 9 | 11.22 | 1.12 | 0.37 | 10 | 10.45 | 1.30 | 0.41 | 10 | 10.35 | 1.16 | 0.37 | 3 | 10.67 | 0.48 | 0.28 |
| | 4 | 10 | 15.60 | 1.39 | 0.44 | 10 | 15.47 | 1.30 | 0.41 | 10 | 15.15 | 1.16 | 0.37 | 3 | 15.41 | 0.23 | 0.13 |
| | 5 | 10 | 21.80 | 2.16 | 0.68 | 10 | 20.80 | 1.67 | 0.53 | 10 | 21.05 | 1.57 | 0.50 | 3 | 21.22 | 0.52 | 0.30 |
| | 9 | 10 | 8.80 | 6.91 | 2.18 | 10 | 7.15 | 7.86 | 2.49 | 10 | 7.65 | 8.72 | 2.76 | 3 | 7.87 | 0.85 | 0.49 |
| 300-Minute | 1 | 6 | 2.00 | 0.45 | 0.18 | 8 | 2.19 | 0.75 | 0.27 | 9 | 2.33 | 0.79 | 0.26 | 3 | 2.17 | 0.17 | 0.10 |
| | 2 | 9 | 5.89 | 0.99 | 0.33 | 9 | 5.56 | 0.81 | 0.27 | 9 | 6.28 | 0.91 | 0.30 | 3 | 5.91 | 0.36 | 0.21 |
| | 3 | 10 | 10.45 | 1.28 | 0.40 | 10 | 10.55 | 0.96 | 0.30 | 10 | 10.25 | 1.25 | 0.40 | 3 | 10.42 | 0.15 | 0.09 |
| | 4 | 10 | 15.80 | 1.06 | 0.34 | 10 | 15.95 | 1.21 | 0.38 | 10 | 15.65 | 1.29 | 0.41 | 3 | 15.80 | 0.15 | 0.09 |
| | 5 | 10 | 21.30 | 2.06 | 0.65 | 10 | 21.70 | 1.80 | 0.57 | 10 | 21.85 | 1.33 | 0.42 | 3 | 21.62 | 0.28 | 0.16 |
| | 9 | 10 | 9.95 | 8.51 | 2.69 | 10 | 12.65 | 9.74 | 3.08 | 10 | 9.20 | 9.10 | 2.88 | 3 | 10.60 | 1.81 | 1.05 |
| 600-Minute | 1 | 9 | 2.61 | 0.74 | 0.25 | 5 | 2.30 | 0.67 | 0.30 | 9 | 2.39 | 0.70 | 0.23 | 3 | 2.43 | 0.16 | 0.09 |
| | 2 | 10 | 5.85 | 0.78 | 0.25 | 7 | 5.57 | 1.06 | 0.40 | 8 | 5.50 | 0.89 | 0.31 | 3 | 5.64 | 0.18 | 0.11 |
| | 3 | 10 | 9.95 | 1.19 | 0.38 | 10 | 10.45 | 1.66 | 0.52 | 10 | 10.60 | 1.41 | 0.45 | 3 | 10.33 | 0.34 | 0.20 |
| | 4 | 9 | 16.44 | 1.07 | 0.36 | 10 | 15.40 | 1.02 | 0.32 | 10 | 15.40 | 1.33 | 0.42 | 3 | 15.75 | 0.60 | 0.35 |
| | 5 | 10 | 21.70 | 1.65 | 0.52 | 10 | 21.15 | 1.67 | 0.53 | 10 | 21.35 | 1.97 | 0.62 | 3 | 21.40 | 0.28 | 0.16 |
| | 9 | 10 | 3.20 | 1.34 | 0.42 | 10 | 5.25 | 3.57 | 1.13 | 10 | 5.80 | 5.33 | 1.69 | 3 | 4.75 | 1.37 | 0.79 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
 TASK: 89-09
 DESCRIPTIVE STATISTICS FOR ANIMAL 4E5 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
 CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 8 | 2.06 | 0.50 | 0.18 | 8 | 3.00 | 0.53 | 0.19 | 10 | 2.70 | 0.63 | 0.20 | 3 | 2.59 | 0.48 | 0.28 |
| | 2 | 10 | 6.50 | 0.91 | 0.29 | 10 | 6.40 | 1.02 | 0.32 | 9 | 5.83 | 1.00 | 0.33 | 3 | 6.24 | 0.36 | 0.21 |
| | 3 | 10 | 10.70 | 1.18 | 0.37 | 10 | 10.65 | 1.43 | 0.45 | 10 | 11.15 | 1.47 | 0.47 | 3 | 10.83 | 0.28 | 0.16 |
| | 4 | 10 | 15.35 | 1.38 | 0.43 | 10 | 15.00 | 1.11 | 0.35 | 9 | 14.94 | 1.24 | 0.41 | 3 | 15.10 | 0.22 | 0.13 |
| | 5 | 10 | 20.80 | 1.67 | 0.53 | 10 | 20.55 | 1.57 | 0.50 | 10 | 21.05 | 1.82 | 0.57 | 3 | 20.80 | 0.25 | 0.14 |
| 30-Minute | 9 | 10 | 4.15 | 3.92 | 1.24 | 10 | 6.60 | 3.75 | 1.19 | 10 | 4.50 | 4.43 | 1.40 | 3 | 5.08 | 1.33 | 0.77 |
| | 1 | 9 | 2.44 | 0.77 | 0.26 | 10 | 2.70 | 0.86 | 0.27 | 9 | 2.39 | 0.70 | 0.23 | 3 | 2.51 | 0.17 | 0.10 |
| | 2 | 10 | 6.10 | 0.97 | 0.31 | 9 | 5.56 | 0.92 | 0.31 | 8 | 5.75 | 1.00 | 0.35 | 3 | 5.80 | 0.28 | 0.16 |
| | 3 | 10 | 11.10 | 1.20 | 0.38 | 10 | 10.35 | 1.72 | 0.54 | 9 | 10.61 | 1.41 | 0.47 | 3 | 10.69 | 0.38 | 0.22 |
| | 4 | 10 | 15.35 | 0.82 | 0.26 | 10 | 16.20 | 1.06 | 0.33 | 10 | 15.20 | 0.92 | 0.29 | 3 | 15.58 | 0.54 | 0.31 |
| 90-Minute | 5 | 10 | 20.50 | 2.08 | 0.66 | 10 | 20.85 | 1.80 | 0.57 | 10 | 20.75 | 1.30 | 0.41 | 3 | 20.70 | 0.18 | 0.10 |
| | 9 | 10 | 5.05 | 5.57 | 1.76 | 10 | 4.85 | 4.72 | 1.49 | 10 | 3.10 | 1.71 | 0.54 | 3 | 4.33 | 1.07 | 0.62 |
| | 1 | 9 | 2.28 | 0.67 | 0.22 | 8 | 2.00 | 0.80 | 0.28 | 9 | 2.22 | 0.62 | 0.21 | 3 | 2.17 | 0.15 | 0.08 |
| | 2 | 10 | 5.75 | 0.82 | 0.26 | 10 | 5.90 | 1.02 | 0.32 | 9 | 5.83 | 1.03 | 0.34 | 3 | 5.83 | 0.08 | 0.04 |
| | 3 | 9 | 11.06 | 1.33 | 0.44 | 9 | 10.50 | 1.41 | 0.47 | 10 | 10.15 | 1.33 | 0.42 | 3 | 10.57 | 0.46 | 0.26 |
| 300-Minute | 4 | 10 | 15.30 | 0.89 | 0.28 | 10 | 15.10 | 0.97 | 0.31 | 10 | 15.15 | 1.16 | 0.37 | 3 | 15.18 | 0.10 | 0.06 |
| | 5 | 10 | 19.85 | 1.13 | 0.36 | 10 | 21.45 | 1.76 | 0.56 | 10 | 21.65 | 1.25 | 0.39 | 3 | 20.98 | 0.99 | 0.57 |
| | 9 | 10 | 3.45 | 2.07 | 0.66 | 10 | 4.40 | 4.81 | 1.52 | 10 | 4.10 | 4.26 | 1.35 | 3 | 3.98 | 0.49 | 0.28 |
| | 1 | 8 | 2.06 | 0.68 | 0.24 | 7 | 2.50 | 0.65 | 0.24 | 9 | 2.22 | 0.62 | 0.21 | 3 | 2.26 | 0.22 | 0.13 |
| | 2 | 10 | 6.05 | 0.80 | 0.25 | 10 | 6.00 | 0.94 | 0.30 | 10 | 5.50 | 0.88 | 0.28 | 3 | 5.85 | 0.30 | 0.18 |
| 600-Minute | 3 | 10 | 10.25 | 1.27 | 0.40 | 10 | 9.80 | 1.23 | 0.39 | 10 | 10.00 | 1.22 | 0.39 | 3 | 10.02 | 0.23 | 0.13 |
| | 4 | 9 | 16.06 | 1.21 | 0.40 | 10 | 15.25 | 1.48 | 0.47 | 10 | 16.00 | 1.18 | 0.37 | 3 | 15.77 | 0.45 | 0.26 |
| | 5 | 10 | 20.35 | 1.96 | 0.62 | 10 | 22.10 | 1.54 | 0.49 | 10 | 21.10 | 1.60 | 0.50 | 3 | 21.18 | 0.88 | 0.51 |
| | 9 | 10 | 8.00 | 8.16 | 2.58 | 10 | 4.65 | 3.57 | 1.13 | 10 | 5.95 | 7.06 | 2.23 | 3 | 6.20 | 1.69 | 0.98 |
| | 1 | 9 | 2.61 | 0.74 | 0.25 | 9 | 2.33 | 0.75 | 0.25 | 9 | 1.72 | 0.36 | 0.12 | 3 | 2.22 | 0.45 | 0.26 |
| | 2 | 10 | 6.35 | 0.97 | 0.31 | 9 | 6.22 | 1.06 | 0.35 | 8 | 5.81 | 0.65 | 0.23 | 3 | 6.13 | 0.28 | 0.16 |
| | 3 | 10 | 10.10 | 1.17 | 0.37 | 10 | 10.40 | 1.43 | 0.45 | 10 | 9.90 | 1.20 | 0.38 | 3 | 10.13 | 0.25 | 0.15 |
| | 4 | 10 | 15.95 | 1.61 | 0.51 | 10 | 16.35 | 1.31 | 0.42 | 9 | 15.33 | 1.03 | 0.34 | 3 | 15.88 | 0.51 | 0.30 |
| | 5 | 10 | 21.10 | 2.13 | 0.67 | 10 | 20.15 | 1.27 | 0.40 | 10 | 21.95 | 2.18 | 0.69 | 3 | 21.07 | 0.90 | 0.52 |
| | 9 | 10 | 2.90 | 0.91 | 0.29 | 10 | 6.10 | 6.25 | 1.98 | 10 | 3.85 | 4.50 | 1.42 | 3 | 4.28 | 1.64 | 0.95 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 4E5 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | |
| Baseline | 1 | 10 | 2.65 | 0.85 | 0.27 | 8 | 2.62 | 0.64 | 0.23 | 8 | 2.37 | 0.79 | 0.28 |
| | 2 | 10 | 6.30 | 1.06 | 0.33 | 10 | 6.15 | 1.08 | 0.34 | 9 | 5.94 | 1.01 | 0.34 |
| | 3 | 10 | 10.50 | 1.25 | 0.39 | 10 | 10.05 | 1.14 | 0.36 | 10 | 9.75 | 0.95 | 0.30 |
| | 4 | 10 | 15.45 | 0.76 | 0.24 | 10 | 15.40 | 1.26 | 0.40 | 10 | 14.80 | 1.06 | 0.34 |
| | 5 | 10 | 21.90 | 1.76 | 0.56 | 10 | 22.75 | 1.40 | 0.44 | 10 | 21.85 | 2.04 | 0.65 |
| 30-Minute | 9 | 10 | 7.75 | 7.14 | 2.26 | 10 | 12.25 | 9.64 | 3.05 | 10 | 5.95 | 5.32 | 1.68 |
| | 1 | 9 | 2.06 | 0.68 | 0.23 | 10 | 2.10 | 0.61 | 0.19 | 9 | 1.89 | 0.42 | 0.14 |
| | 2 | 10 | 6.45 | 0.72 | 0.23 | 10 | 6.00 | 0.94 | 0.30 | 10 | 5.45 | 0.80 | 0.25 |
| | 3 | 10 | 10.55 | 0.64 | 0.20 | 10 | 10.30 | 1.27 | 0.40 | 10 | 10.85 | 1.18 | 0.37 |
| | 4 | 10 | 15.25 | 0.89 | 0.28 | 10 | 15.40 | 1.45 | 0.46 | 10 | 14.90 | 1.29 | 0.41 |
| 90-Minute | 5 | 10 | 20.45 | 1.83 | 0.58 | 10 | 21.50 | 1.97 | 0.62 | 10 | 21.45 | 1.17 | 0.37 |
| | 9 | 10 | 8.00 | 8.89 | 2.81 | 10 | 4.60 | 5.13 | 1.62 | 10 | 2.55 | 1.66 | 0.52 |
| | 1 | 8 | 2.25 | 0.76 | 0.27 | 10 | 2.40 | 0.88 | 0.28 | 9 | 2.17 | 0.83 | 0.28 |
| | 2 | 10 | 5.40 | 1.10 | 0.35 | 8 | 6.12 | 1.03 | 0.36 | 10 | 6.10 | 0.99 | 0.31 |
| | 3 | 10 | 10.70 | 1.03 | 0.33 | 10 | 10.15 | 0.91 | 0.29 | 9 | 10.72 | 1.30 | 0.43 |
| 300-Minute | 4 | 10 | 15.45 | 1.62 | 0.51 | 10 | 15.20 | 1.32 | 0.42 | 10 | 14.90 | 1.15 | 0.36 |
| | 5 | 10 | 20.85 | 1.29 | 0.41 | 10 | 22.00 | 1.62 | 0.51 | 10 | 22.70 | 1.42 | 0.45 |
| | 9 | 10 | 4.70 | 4.87 | 1.54 | 10 | 6.65 | 8.79 | 2.78 | 10 | 4.25 | 6.63 | 2.10 |
| | 1 | 10 | 2.15 | 0.67 | 0.21 | 9 | 2.28 | 0.62 | 0.21 | 9 | 2.44 | 0.73 | 0.24 |
| | 2 | 10 | 6.45 | 1.07 | 0.34 | 8 | 5.75 | 1.00 | 0.35 | 9 | 5.61 | 0.82 | 0.27 |
| 600-Minute | 3 | 10 | 10.65 | 0.85 | 0.27 | 10 | 10.60 | 1.33 | 0.42 | 9 | 10.44 | 1.36 | 0.45 |
| | 4 | 10 | 15.50 | 0.88 | 0.28 | 10 | 15.40 | 1.61 | 0.51 | 10 | 15.30 | 1.03 | 0.33 |
| | 5 | 10 | 21.50 | 1.89 | 0.60 | 10 | 21.15 | 2.36 | 0.75 | 10 | 22.15 | 1.73 | 0.55 |
| | 9 | 10 | 7.45 | 9.05 | 2.86 | 10 | 8.80 | 8.78 | 2.78 | 10 | 4.50 | 5.54 | 1.75 |
| | 1 | 9 | 2.33 | 0.75 | 0.25 | 7 | 2.50 | 0.82 | 0.31 | 9 | 2.28 | 0.57 | 0.19 |
| | 2 | 8 | 5.94 | 0.68 | 0.24 | 9 | 6.22 | 0.79 | 0.26 | 10 | 5.92 | 0.87 | 0.27 |
| | 3 | 10 | 10.65 | 1.56 | 0.49 | 10 | 10.35 | 1.33 | 0.42 | 10 | 10.35 | 1.20 | 0.38 |
| | 4 | 10 | 16.25 | 1.14 | 0.36 | 10 | 16.35 | 0.75 | 0.24 | 10 | 14.90 | 0.91 | 0.29 |
| | 5 | 10 | 20.40 | 1.47 | 0.46 | 10 | 20.70 | 1.32 | 0.42 | 10 | 20.35 | 1.36 | 0.43 |
| | 9 | 10 | 7.25 | 8.08 | 2.56 | 10 | 9.55 | 9.02 | 2.85 | 10 | 9.30 | 9.23 | 2.92 |
| | 1 | 9 | 2.37 | 0.12 | 0.07 | 3 | 2.37 | 0.12 | 0.07 | 3 | 2.37 | 0.12 | 0.07 |
| | 2 | 3 | 6.03 | 0.17 | 0.10 | 3 | 6.03 | 0.17 | 0.10 | 3 | 6.03 | 0.17 | 0.10 |
| | 3 | 3 | 10.45 | 0.17 | 0.10 | 3 | 10.45 | 0.17 | 0.10 | 3 | 10.45 | 0.17 | 0.10 |
| | 4 | 3 | 15.83 | 0.81 | 0.47 | 3 | 15.83 | 0.81 | 0.47 | 3 | 15.83 | 0.81 | 0.47 |
| | 5 | 3 | 20.48 | 0.19 | 0.11 | 3 | 20.48 | 0.19 | 0.11 | 3 | 20.48 | 0.19 | 0.11 |
| | 9 | 3 | 8.70 | 1.26 | 0.73 | 3 | 8.70 | 1.26 | 0.73 | 3 | 8.70 | 1.26 | 0.73 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 4E5 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 2.20 | 0.82 | 0.26 | 10 | 2.65 | 0.71 | 0.22 | 10 | 2.25 | 0.82 | 0.26 |
| | 2 | 10 | 6.10 | 0.77 | 0.24 | 10 | 6.00 | 0.82 | 0.26 | 10 | 6.00 | 0.78 | 0.25 |
| | 3 | 10 | 9.85 | 0.97 | 0.31 | 10 | 9.65 | 0.67 | 0.21 | 10 | 10.20 | 1.49 | 0.47 |
| | 4 | 10 | 15.90 | 1.20 | 0.38 | 10 | 15.80 | 0.95 | 0.30 | 10 | 15.80 | 1.18 | 0.37 |
| | 5 | 10 | 22.30 | 1.72 | 0.54 | 10 | 21.25 | 1.36 | 0.43 | 10 | 21.20 | 1.93 | 0.61 |
| 30-Minute | 9 | 10 | 7.60 | 6.85 | 2.17 | 10 | 9.00 | 6.56 | 2.07 | 10 | 7.10 | 6.40 | 2.02 |
| | 1 | 9 | 2.06 | 0.77 | 0.26 | 9 | 2.00 | 0.43 | 0.14 | 10 | 2.05 | 0.50 | 0.16 |
| | 2 | 9 | 6.56 | 0.88 | 0.29 | 9 | 5.94 | 1.10 | 0.37 | 9 | 6.06 | 0.98 | 0.33 |
| | 3 | 10 | 10.00 | 1.05 | 0.33 | 10 | 10.00 | 1.29 | 0.41 | 9 | 9.89 | 1.14 | 0.38 |
| | 4 | 10 | 15.50 | 0.94 | 0.30 | 10 | 15.15 | 1.00 | 0.32 | 10 | 14.75 | 1.14 | 0.36 |
| 90-Minute | 5 | 10 | 21.20 | 1.51 | 0.48 | 10 | 20.80 | 1.92 | 0.61 | 10 | 21.80 | 1.90 | 0.60 |
| | 9 | 10 | 3.25 | 2.60 | 0.82 | 10 | 7.40 | 8.15 | 2.58 | 10 | 2.05 | 0.50 | 0.16 |
| | 1 | 9 | 2.50 | 0.71 | 0.24 | 10 | 2.20 | 0.79 | 0.25 | 10 | 2.35 | 0.88 | 0.28 |
| | 2 | 10 | 6.35 | 0.88 | 0.28 | 9 | 6.22 | 0.79 | 0.26 | 9 | 6.33 | 0.97 | 0.32 |
| | 3 | 10 | 10.40 | 1.15 | 0.36 | 10 | 10.55 | 1.17 | 0.37 | 9 | 9.89 | 1.27 | 0.42 |
| 300-Minute | 4 | 10 | 14.85 | 1.18 | 0.37 | 10 | 15.05 | 1.14 | 0.36 | 10 | 14.75 | 1.06 | 0.34 |
| | 5 | 10 | 21.45 | 2.31 | 0.73 | 10 | 20.90 | 1.43 | 0.45 | 10 | 21.10 | 2.04 | 0.64 |
| | 9 | 10 | 4.55 | 4.46 | 1.41 | 10 | 3.25 | 2.65 | 0.84 | 10 | 3.70 | 2.69 | 0.85 |
| | 1 | 9 | 2.00 | 0.56 | 0.19 | 7 | 2.43 | 0.53 | 0.20 | 9 | 2.39 | 0.86 | 0.29 |
| | 2 | 10 | 6.20 | 0.82 | 0.26 | 10 | 6.00 | 1.13 | 0.36 | 9 | 5.61 | 0.99 | 0.33 |
| 600-Minute | 3 | 10 | 10.60 | 1.17 | 0.37 | 10 | 10.95 | 1.30 | 0.41 | 10 | 10.90 | 1.24 | 0.39 |
| | 4 | 9 | 15.67 | 1.41 | 0.47 | 10 | 15.45 | 0.64 | 0.20 | 10 | 15.80 | 1.38 | 0.44 |
| | 5 | 10 | 21.25 | 2.14 | 0.68 | 10 | 20.50 | 1.49 | 0.47 | 10 | 21.10 | 1.79 | 0.57 |
| | 9 | 10 | 5.10 | 6.62 | 2.09 | 10 | 5.45 | 4.80 | 1.52 | 10 | 2.85 | 1.18 | 0.37 |
| | 1 | 10 | 2.30 | 0.67 | 0.21 | 10 | 2.30 | 0.86 | 0.27 | 9 | 2.39 | 0.33 | 0.11 |
| | 2 | 8 | 6.19 | 0.96 | 0.34 | 10 | 5.85 | 1.06 | 0.33 | 9 | 5.94 | 0.77 | 0.26 |
| | 3 | 10 | 10.40 | 1.24 | 0.39 | 10 | 10.45 | 0.93 | 0.29 | 10 | 10.10 | 1.02 | 0.32 |
| | 4 | 9 | 15.61 | 1.05 | 0.35 | 10 | 15.40 | 1.26 | 0.40 | 9 | 15.33 | 1.17 | 0.39 |
| | 5 | 10 | 21.10 | 1.91 | 0.60 | 10 | 21.40 | 1.52 | 0.48 | 10 | 21.60 | 2.11 | 0.67 |
| | 9 | 10 | 2.70 | 1.16 | 0.37 | 10 | 2.80 | 1.70 | 0.54 | 10 | 2.55 | 0.60 | 0.19 |
| | 1 | 10 | 2.30 | 0.67 | 0.21 | 10 | 2.30 | 0.86 | 0.27 | 9 | 2.39 | 0.33 | 0.11 |
| | 2 | 8 | 6.19 | 0.96 | 0.34 | 10 | 5.85 | 1.06 | 0.33 | 9 | 5.94 | 0.77 | 0.26 |
| | 3 | 10 | 10.40 | 1.24 | 0.39 | 10 | 10.45 | 0.93 | 0.29 | 10 | 10.10 | 1.02 | 0.32 |
| | 4 | 9 | 15.61 | 1.05 | 0.35 | 10 | 15.40 | 1.26 | 0.40 | 9 | 15.33 | 1.17 | 0.39 |
| | 5 | 10 | 21.10 | 1.91 | 0.60 | 10 | 21.40 | 1.52 | 0.48 | 10 | 21.60 | 2.11 | 0.67 |
| | 9 | 10 | 2.70 | 1.16 | 0.37 | 10 | 2.80 | 1.70 | 0.54 | 10 | 2.55 | 0.60 | 0.19 |
| | 1 | 10 | 2.30 | 0.67 | 0.21 | 10 | 2.30 | 0.86 | 0.27 | 9 | 2.39 | 0.33 | 0.11 |
| | 2 | 8 | 6.19 | 0.96 | 0.34 | 10 | 5.85 | 1.06 | 0.33 | 9 | 5.94 | 0.77 | 0.26 |
| | 3 | 10 | 10.40 | 1.24 | 0.39 | 10 | 10.45 | 0.93 | 0.29 | 10 | 10.10 | 1.02 | 0.32 |
| | 4 | 9 | 15.61 | 1.05 | 0.35 | 10 | 15.40 | 1.26 | 0.40 | 9 | 15.33 | 1.17 | 0.39 |
| | 5 | 10 | 21.10 | 1.91 | 0.60 | 10 | 21.40 | 1.52 | 0.48 | 10 | 21.60 | 2.11 | 0.67 |
| | 9 | 10 | 2.70 | 1.16 | 0.37 | 10 | 2.80 | 1.70 | 0.54 | 10 | 2.55 | 0.60 | 0.19 |
| | 1 | 10 | 2.30 | 0.67 | 0.21 | 10 | 2.30 | 0.86 | 0.27 | 9 | 2.39 | 0.33 | 0.11 |
| | 2 | 8 | 6.19 | 0.96 | 0.34 | 10 | 5.85 | 1.06 | 0.33 | 9 | 5.94 | 0.77 | 0.26 |
| | 3 | 10 | 10.40 | 1.24 | 0.39 | 10 | 10.45 | 0.93 | 0.29 | 10 | 10.10 | 1.02 | 0.32 |
| | 4 | 9 | 15.61 | 1.05 | 0.35 | 10 | 15.40 | 1.26 | 0.40 | 9 | 15.33 | 1.17 | 0.39 |
| | 5 | 10 | 21.10 | 1.91 | 0.60 | 10 | 21.40 | 1.52 | 0.48 | 10 | 21.60 | 2.11 | 0.67 |
| | 9 | 10 | 2.70 | 1.16 | 0.37 | 10 | 2.80 | 1.70 | 0.54 | 10 | 2.55 | 0.60 | 0.19 |
| | 1 | 10 | 2.30 | 0.67 | 0.21 | 10 | 2.30 | 0.86 | 0.27 | 9 | 2.39 | 0.33 | 0.11 |
| | 2 | 8 | 6.19 | 0.96 | 0.34 | 10 | 5.85 | 1.06 | 0.33 | 9 | 5.94 | 0.77 | 0.26 |
| | 3 | 10 | 10.40 | 1.24 | 0.39 | 10 | 10.45 | 0.93 | 0.29 | 10 | 10.10 | 1.02 | 0.32 |
| | 4 | 9 | 15.61 | 1.05 | 0.35 | 10 | 15.40 | 1.26 | 0.40 | 9 | 15.33 | 1.17 | 0.39 |
| | 5 | 10 | 21.10 | 1.91 | 0.60 | 10 | 21.40 | 1.52 | 0.48 | 10 | 21.60 | 2.11 | 0.67 |
| | 9 | 10 | 2.70 | 1.16 | 0.37 | 10 | 2.80 | 1.70 | 0.54 | 10 | 2.55 | 0.60 | 0.19 |
| | 1 | 10 | 2.30 | 0.67 | 0.21 | 10 | 2.30 | 0.86 | 0.27 | 9 | 2.39 | 0.33 | 0.11 |
| | 2 | 8 | 6.19 | 0.96 | 0.34 | 10 | 5.85 | 1.06 | 0.33 | 9 | 5.94 | 0.77 | 0.26 |
| | 3 | 10 | 10.40 | 1.24 | 0.39 | 10 | 10.45 | 0.93 | 0.29 | 10 | 10.10 | 1.02 | 0.32 |
| | 4 | 9 | 15.61 | 1.05 | 0.35 | 10 | 15.40 | 1.26 | 0.40 | 9 | 15.33 | 1.17 | 0.39 |
| | 5 | 10 | 21.10 | 1.91 | 0.60 | 10 | 21.40 | 1.52 | 0.48 | 10 | 21.60 | 2.11 | 0.67 |
| | 9 | 10 | 2.70 | 1.16 | 0.37 | 10 | 2.80 | 1.70 | 0.54 | 10 | 2.55 | 0.60 | 0.19 |
| | 1 | 10 | 2.30 | 0.67 | 0.21 | 10 | 2.30 | 0.86 | 0.27 | 9 | 2.39 | 0.33 | 0.11 |
| | 2 | 8 | 6.19 | 0.96 | 0.34 | 10 | 5.85 | 1.06 | 0.33 | 9 | 5.94 | 0.77 | 0.26 |
| | 3 | 10 | 10.40 | 1.24 | 0.39 | 10 | 10.45 | 0.93 | 0.29 | 10 | 10.10 | 1.02 | 0.32 |
| | 4 | 9 | 15.61 | 1.05 | 0.35 | 10 | 15.40 | 1.26 | 0.40 | 9 | 15.33 | 1.17 | 0.39 |
| | 5 | 10 | 21.10 | 1.91 | 0.60 | 10 | 21.40 | 1.52 | 0.48 | 10 | 21.60 | 2.11 | 0.67 |
| | 9 | 10 | 2.70 | 1.16 | 0.37 | 10 | 2.80 | 1.70 | 0.54 | 10 | 2.55 | 0.60 | 0.19 |
| | 1 | 10 | 2.30 | 0.67 | 0.21 | 10 | 2.30 | 0.86 | 0.27 | 9 | 2.39 | 0.33 | 0.11 |
| | 2 | 8 | 6.19 | 0.96 | 0.34 | 10 | 5.85 | 1.06 | 0.33 | 9 | 5.94 | 0.77 | 0.26 |
| | 3 | 10 | 10.40 | 1.24 | 0.39 | 10 | 10.45 | 0.93 | 0.29 | 10 | 10.10 | 1.02 | 0.32 |
| | 4 | 9 | 15.61 | 1.05 | 0.35 | 10 | 15.40 | 1.26 | 0.40 | 9 | 15.33 | 1.17 | 0.39 |
| | 5 | 10 | 21.10 | 1.91 | 0.60 | 10 | 21.40 | 1.52 | 0.48 | 10 | 21.60 | 2.11 | 0.67 |
| | 9 | 10 | 2.70 | 1.16 | 0.37 | 10 | 2.80 | 1.70 | 0.54 | 10 | 2.55 | 0.60 | 0.19 |
| | 1 | 10 | 2.30 | 0.67 | 0.21 | 10 | 2.30 | 0.86 | 0.27 | 9 | 2.39 | 0.33 | 0.11 |
| | 2 | 8 | 6.19 | 0.96 | 0.34 | 10 | 5.85 | 1.06 | 0.33 | 9 | 5.94 | 0.77 | 0.26 |
| | 3 | 10 | 10.40 | 1.24 | 0.39 | 10 | 10.45 | 0.93 | 0.29 | 10 | 10.10 | 1.02 | 0.32 |
| | 4 | 9 | 15.61 | 1.05 | 0.35 | 10 | 15.40 | 1.26 | 0.40 | 9 | 15.33 | 1.17 | 0.39 |
| | 5 | 10 | 21.10 | 1.91 | 0.60 | 10 | 21.40 | 1.52 | 0.48 | 10 | 21.60 | 2.11 | 0.67 |
| | 9 | 10 | 2.70 | 1.16 | 0.37 | 10 | 2.80 | 1.70 | 0.54 | 10 | 2.55 | 0.60 | 0.19 |
| | 1 | 10 | 2.30 | 0.67 | 0.21 | 10 | 2.30 | 0.86 | 0.27 | 9 | 2.39 | 0.33 | 0.11 |
| | 2 | 8 | 6.19 | 0.96 | 0.34 | 10 | 5.85 | 1.06 | 0.33 | 9 | 5.94 | 0.77 | 0.26 |
| | 3 | 10 | 10.40 | 1.24 | 0.39 | 10 | 10.45 | 0.93 | 0.29 | 10 | 10.10 | 1.02 | 0.32 |
| | 4 | 9 | 15.61 | 1.05 | 0.35 | 10 | 15.40 | 1.26 | 0.40 | 9 | 15.33 | 1.17 | 0.39 |
| | 5 | 10 | 21.10 | 1.91 | 0.60 | 10 | 21.40 | 1.52 | 0.48 | 10 | 21.60 | 2.11 | 0.67 |
| | 9 | 10 | 2.70 | 1.16 | 0.37 | 10 | 2.80 | 1.70 | 0.54 | 10 | 2.55 | 0.60 | 0.19 |
| | 1 | 10 | 2.30 | 0.67 | 0.21 | 10 | 2.30 | 0.86 | 0.27 | 9 | 2.39 | 0.33 | 0.11 |
| | 2 | 8 | 6.19 | 0.96 | 0.34 | 10 | 5.85 | 1.06 | 0.33 | 9 | 5.94 | 0.77 | 0.26 |
| | 3 | 10 | 10.40 | 1.24 | 0.39 | 10 | 10.45 | 0.93 | 0.29 | 10 | 10.10 | 1.02 | 0.32 |
| | 4 | 9 | 15.61 | 1.05 | 0.35 | 10 | 15.40 | 1.26 | 0.40 | 9 | 15.33 | 1.17 | 0.39 |
| | 5 | 10 | 21.10 | 1.91 | 0.60 | 10 | 21.40 | 1.52 | 0.48 | 10 | 21.60 | 2.11 | 0.67 |
| | 9 | 10 | 2.70 | 1.16 | 0.37 | 10 | 2.80 | 1.70 | 0.54 | 10 | 2.55 | 0.60 | 0.19 |
| | 1 | 10 | 2.30 | 0.67 | 0.21 | 10 | 2.30 | 0.86 | 0.27 | 9 | 2.39 | 0.33 | 0.11 |
| | 2 | 8 | 6.19 | 0.96 | 0.34 | 10 | 5.85 | 1.06 | 0.33 | 9 | 5.94 | 0.77 | 0.26 |
| | 3 | 10 | 10.40 | 1.24 | 0.39 | 10 | 10.45 | 0.93 | 0.29 | 10 | 10.10 | 1.02 | 0.32 |
| | 4 | 9 | 15.61 | 1.05 | 0.35 | 10 | 15.40 | 1.26 | 0.40 | 9 | 15.33 | 1.17 | 0.39 |
| | 5 | 10 | 21.10 | 1.91 | 0.60 | 10 | 21.40 | 1.52 | 0.48 | 10 | 21.60 | 2.11 | 0.67 |
| | 9 | 10 | 2.70 | 1.16 | 0.37 | 10 | 2.80 | 1.70 | 0.54 | 10 | 2.55 | 0.60 | 0.1 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
 TASK: 89-09
 DESCRIPTIVE STATISTICS FOR ANIMAL 4E5 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Total Power
 CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|--------|-------|---------------|----|--------|---------------|-------|----|------------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 31.62 | 15.81 | 5.00 | 10 | 16.28 | 10.18 | 3.22 | 10 | 23.22 | 10.06 | 3.18 |
| | 2 | 10 | 16.57 | 7.46 | 2.36 | 10 | 19.88 | 8.11 | 2.56 | 10 | 16.89 | 4.10 | 1.30 |
| | 3 | 10 | 26.34 | 8.61 | 2.72 | 10 | 28.16 | 6.26 | 1.98 | 10 | 24.45 | 8.03 | 2.54 |
| | 4 | 10 | 32.06 | 10.20 | 3.23 | 10 | 38.24 | 13.80 | 4.36 | 10 | 28.54 | 12.31 | 3.89 |
| | 5 | 10 | 59.74 | 28.33 | 8.96 | 10 | 63.70 | 28.40 | 8.98 | 10 | 47.80 | 24.90 | 7.88 |
| | 6 | 10 | 38.62 | 19.02 | 6.01 | 10 | 38.77 | 18.11 | 5.73 | 10 | 28.91 | 11.48 | 3.63 |
| | 7 | 10 | 149.08 | 48.86 | 15.45 | 10 | 149.66 | 59.69 | 18.88 | 10 | 118.54 | 52.86 | 16.72 |
| | 8 | 10 | 2.51 | 1.61 | 0.51 | 10 | 2.60 | 1.37 | 0.43 | 10 | 2.17 | 1.67 | 0.53 |
| | 9 | 10 | 166.32 | 43.27 | 13.68 | 10 | 166.26 | 31.32 | 9.91 | 10 | 140.90 | 28.45 | 9.00 |
| 30-Minute | 1 | 10 | 39.06 | 20.53 | 6.49 | 10 | 56.87 | 56.16 | 17.76 | 10 | 72.71 | 50.50 | 15.97 |
| | 2 | 10 | 17.97 | 8.57 | 2.71 | 10 | 23.77 | 8.97 | 2.84 | 10 | 21.89 | 8.82 | 2.79 |
| | 3 | 10 | 24.30 | 7.76 | 2.45 | 10 | 23.43 | 6.01 | 1.90 | 10 | 21.42 | 11.62 | 3.68 |
| | 4 | 10 | 27.96 | 16.66 | 5.27 | 10 | 28.01 | 8.41 | 2.66 | 10 | 19.19 | 7.74 | 2.45 |
| | 5 | 10 | 34.88 | 20.83 | 6.59 | 10 | 43.73 | 24.10 | 7.62 | 10 | 22.07 | 11.49 | 3.63 |
| | 6 | 10 | 20.34 | 12.86 | 4.07 | 10 | 24.86 | 7.91 | 2.50 | 10 | 21.13 | 14.10 | 4.46 |
| | 7 | 10 | 81.43 | 57.76 | 18.26 | 10 | 117.77 | 42.59 | 13.47 | 10 | 67.50 | 29.62 | 9.37 |
| | 8 | 10 | 1.55 | 1.26 | 0.40 | 10 | 1.74 | 1.35 | 0.43 | 10 | 0.93 | 0.94 | 0.30 |
| | 9 | 10 | 144.17 | 41.16 | 13.02 | 10 | 175.81 | 56.38 | 17.83 | 10 | 157.28 | 64.00 | 20.24 |
| 90-Minute | 1 | 10 | 34.55 | 14.48 | 4.58 | 10 | 50.37 | 24.94 | 7.89 | 10 | 38.73 | 18.25 | 5.77 |
| | 2 | 10 | 19.69 | 5.75 | 1.82 | 10 | 19.60 | 8.86 | 2.80 | 10 | 20.35 | 6.90 | 2.18 |
| | 3 | 10 | 15.63 | 5.82 | 1.84 | 10 | 14.02 | 4.62 | 1.46 | 10 | 19.00 | 6.75 | 2.13 |
| | 4 | 10 | 15.00 | 6.33 | 2.00 | 10 | 20.14 | 9.72 | 3.07 | 10 | 28.36 | 13.76 | 4.35 |
| | 5 | 10 | 24.01 | 22.77 | 7.20 | 10 | 33.04 | 22.44 | 7.10 | 10 | 37.26 | 21.24 | 6.72 |
| | 6 | 10 | 13.39 | 11.59 | 3.66 | 10 | 16.13 | 9.51 | 3.01 | 10 | 21.85 | 11.53 | 3.65 |
| | 7 | 10 | 60.48 | 67.80 | 21.44 | 10 | 76.38 | 55.15 | 17.44 | 10 | 100.29 | 58.06 | 18.36 |
| | 8 | 10 | 0.71 | 1.17 | 0.37 | 10 | 1.28 | 1.12 | 0.36 | 10 | 1.71 | 1.40 | 0.44 |
| | 9 | 10 | 108.88 | 33.81 | 10.69 | 10 | 137.18 | 27.95 | 8.84 | 10 | 143.70 | 42.80 | 13.54 |
| 300-Minute | 1 | 10 | 36.19 | 20.30 | 6.42 | 10 | 40.84 | 36.27 | 11.47 | 10 | 30.99 | 15.47 | 4.89 |
| | 2 | 10 | 17.95 | 6.77 | 2.14 | 10 | 15.14 | 8.88 | 2.81 | 10 | 15.54 | 6.05 | 1.91 |
| | 3 | 10 | 16.88 | 9.39 | 2.97 | 10 | 14.58 | 5.55 | 1.76 | 10 | 14.90 | 5.59 | 1.77 |
| | 4 | 10 | 21.50 | 9.21 | 2.91 | 10 | 17.88 | 7.22 | 2.28 | 10 | 15.60 | 8.23 | 2.60 |
| | 5 | 10 | 45.23 | 19.14 | 6.05 | 10 | 28.82 | 9.39 | 2.97 | 10 | 23.97 | 13.15 | 4.16 |
| | 6 | 10 | 31.78 | 19.61 | 6.20 | 10 | 13.75 | 5.46 | 1.73 | 10 | 15.34 | 9.26 | 2.93 |
| | 7 | 10 | 95.23 | 35.97 | 11.37 | 10 | 68.43 | 34.68 | 10.97 | 10 | 54.23 | 33.30 | 10.53 |
| | 8 | 10 | 1.63 | 1.07 | 0.34 | 10 | 1.12 | 0.64 | 0.20 | 10 | 0.87 | 0.86 | 0.27 |
| | 9 | 10 | 137.75 | 44.58 | 14.10 | 10 | 117.26 | 46.22 | 14.61 | 10 | 101.00 | 25.21 | 7.97 |
| | 1 | 10 | 36.01 | 4.93 | 2.84 | 10 | 36.01 | 4.93 | 2.84 | 10 | 36.01 | 4.93 | 2.84 |
| | 2 | 10 | 16.21 | 1.52 | 0.88 | 10 | 16.21 | 1.52 | 0.88 | 10 | 16.21 | 1.52 | 0.88 |
| | 3 | 10 | 15.46 | 1.24 | 0.72 | 10 | 15.46 | 1.24 | 0.72 | 10 | 15.46 | 1.24 | 0.72 |
| | 4 | 10 | 18.32 | 2.98 | 1.72 | 10 | 18.32 | 2.98 | 1.72 | 10 | 18.32 | 2.98 | 1.72 |
| | 5 | 10 | 32.67 | 11.14 | 6.43 | 10 | 32.67 | 11.14 | 6.43 | 10 | 32.67 | 11.14 | 6.43 |
| | 6 | 10 | 20.29 | 9.98 | 5.76 | 10 | 20.29 | 9.98 | 5.76 | 10 | 20.29 | 9.98 | 5.76 |
| | 7 | 10 | 72.63 | 20.82 | 12.02 | 10 | 72.63 | 20.82 | 12.02 | 10 | 72.63 | 20.82 | 12.02 |
| | 8 | 10 | 1.21 | 0.39 | 0.22 | 10 | 1.21 | 0.39 | 0.22 | 10 | 1.21 | 0.39 | 0.22 |
| | 9 | 10 | 118.67 | 18.41 | 10.63 | 10 | 118.67 | 18.41 | 10.63 | 10 | 118.67 | 18.41 | 10.63 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 4E5 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 1 (Continued)

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. |
|---------------|---------------|--------------|-------|-------|---------------|--------|-------|---------------|-------|-------|------------|-------|------|
| | | N | Mean | Std. | N | Mean | Std. | N | Mean | Std. | Mean | Std. | |
| 600-Minute | 1 | 10 | 41.38 | 27.49 | 10 | 44.16 | 31.63 | 10 | 38.05 | 29.33 | 41.20 | 3.06 | 1.76 |
| | 2 | 10 | 16.89 | 7.80 | 10 | 16.36 | 7.12 | 10 | 13.26 | 8.34 | 15.50 | 1.96 | 1.13 |
| | 3 | 10 | 10.47 | 6.16 | 10 | 12.93 | 8.39 | 10 | 11.74 | 4.53 | 11.71 | 1.23 | 0.71 |
| | 4 | 10 | 12.24 | 8.25 | 10 | 12.80 | 3.59 | 10 | 8.59 | 2.84 | 11.21 | 2.29 | 1.32 |
| | 5 | 10 | 17.32 | 10.37 | 10 | 15.56 | 6.38 | 10 | 9.71 | 4.32 | 14.19 | 3.99 | 2.30 |
| | 6 | 10 | 12.96 | 8.67 | 10 | 10.72 | 6.19 | 10 | 6.85 | 5.10 | 10.18 | 3.09 | 1.78 |
| | 7 | 10 | 46.94 | 37.24 | 10 | 51.96 | 38.75 | 10 | 21.99 | 14.37 | 40.30 | 16.06 | 9.27 |
| | 8 | 10 | 1.12 | 2.07 | 10 | 1.15 | 1.76 | 10 | 0.15 | 0.22 | 0.81 | 0.57 | 0.33 |
| | 9 | 10 | 98.29 | 41.43 | 10 | 101.81 | 48.21 | 10 | 81.34 | 36.68 | 93.81 | 10.94 | 6.32 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 4E5 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|--------|-------|---------------|----|--------|---------------|-------|----|------------|-------|-------|---|--------|-------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 30.23 | 18.85 | 5.96 | 10 | 16.23 | 10.67 | 3.37 | 10 | 20.41 | 6.77 | 2.14 | 3 | 22.29 | 7.19 | 4.15 |
| | 2 | 10 | 19.64 | 16.99 | 5.37 | 10 | 12.37 | 5.79 | 1.83 | 10 | 16.87 | 8.78 | 2.78 | 3 | 16.29 | 3.67 | 2.12 |
| | 3 | 10 | 21.85 | 10.06 | 3.18 | 10 | 20.24 | 5.98 | 1.89 | 10 | 21.82 | 10.12 | 3.20 | 3 | 21.30 | 0.92 | 0.53 |
| | 4 | 10 | 17.92 | 6.63 | 2.10 | 10 | 16.38 | 7.24 | 2.29 | 10 | 20.91 | 9.22 | 2.92 | 3 | 18.40 | 2.31 | 1.33 |
| | 5 | 10 | 14.09 | 6.40 | 2.02 | 10 | 12.64 | 3.81 | 1.20 | 10 | 15.23 | 4.45 | 1.41 | 3 | 13.98 | 1.30 | 0.75 |
| | 6 | 10 | 6.00 | 1.79 | 0.57 | 10 | 6.30 | 2.97 | 0.94 | 10 | 6.76 | 1.96 | 0.62 | 3 | 6.36 | 0.38 | 0.22 |
| | 7 | 10 | 15.86 | 2.98 | 0.94 | 10 | 13.07 | 3.62 | 1.15 | 10 | 16.27 | 4.97 | 1.57 | 3 | 15.07 | 1.74 | 1.01 |
| | 8 | 10 | 0.14 | 0.17 | 0.05 | 10 | 0.16 | 0.16 | 0.05 | 10 | 0.16 | 0.16 | 0.05 | 3 | 0.15 | 0.01 | 0.01 |
| | 9 | 10 | 103.73 | 47.50 | 15.02 | 10 | 77.85 | 24.77 | 7.83 | 10 | 95.24 | 30.54 | 9.66 | 3 | 92.27 | 13.19 | 7.62 |
| 30-Minute | 1 | 10 | 46.79 | 23.96 | 7.58 | 10 | 37.94 | 20.30 | 6.42 | 10 | 69.10 | 59.78 | 18.90 | 3 | 51.28 | 16.06 | 9.27 |
| | 2 | 10 | 26.78 | 12.91 | 4.08 | 10 | 21.88 | 16.81 | 5.32 | 10 | 30.74 | 20.24 | 6.40 | 3 | 26.47 | 4.44 | 2.56 |
| | 3 | 10 | 30.06 | 12.79 | 4.04 | 10 | 22.34 | 11.87 | 3.75 | 10 | 23.26 | 14.43 | 4.56 | 3 | 25.22 | 4.22 | 2.44 |
| | 4 | 10 | 25.39 | 12.33 | 3.90 | 10 | 22.13 | 7.83 | 2.47 | 10 | 18.62 | 11.00 | 3.48 | 3 | 22.04 | 3.39 | 1.96 |
| | 5 | 10 | 12.56 | 4.35 | 1.38 | 10 | 16.51 | 2.45 | 0.78 | 10 | 11.80 | 4.01 | 1.27 | 3 | 13.62 | 2.53 | 1.46 |
| | 6 | 10 | 6.66 | 2.31 | 0.73 | 10 | 6.67 | 2.51 | 0.79 | 10 | 6.17 | 1.67 | 0.53 | 3 | 6.50 | 0.29 | 0.17 |
| | 7 | 10 | 13.26 | 5.14 | 1.63 | 10 | 13.17 | 2.69 | 0.85 | 10 | 10.68 | 2.46 | 0.78 | 3 | 12.37 | 1.46 | 0.84 |
| | 8 | 10 | 0.04 | 0.06 | 0.02 | 10 | 0.11 | 0.13 | 0.04 | 10 | 0.03 | 0.07 | 0.02 | 3 | 0.06 | 0.05 | 0.03 |
| | 9 | 10 | 141.58 | 48.20 | 15.24 | 10 | 120.79 | 41.10 | 13.00 | 10 | 153.52 | 88.13 | 27.87 | 3 | 138.63 | 16.56 | 9.56 |
| 90-Minute | 1 | 10 | 37.14 | 15.48 | 4.89 | 10 | 56.75 | 33.35 | 10.55 | 10 | 34.47 | 14.07 | 4.45 | 3 | 42.79 | 12.17 | 7.02 |
| | 2 | 10 | 27.65 | 10.13 | 3.20 | 10 | 26.66 | 17.60 | 5.56 | 10 | 21.05 | 9.24 | 2.92 | 3 | 25.12 | 3.56 | 2.05 |
| | 3 | 10 | 20.13 | 11.71 | 3.70 | 10 | 19.42 | 10.12 | 3.20 | 10 | 17.00 | 6.59 | 2.08 | 3 | 18.85 | 1.64 | 0.95 |
| | 4 | 10 | 20.33 | 5.73 | 1.81 | 10 | 15.63 | 5.30 | 1.68 | 10 | 14.02 | 2.44 | 0.77 | 3 | 16.66 | 3.28 | 1.89 |
| | 5 | 10 | 12.45 | 4.45 | 1.41 | 10 | 13.97 | 3.16 | 1.00 | 10 | 12.25 | 1.91 | 0.60 | 3 | 12.89 | 0.94 | 0.54 |
| | 6 | 10 | 7.13 | 2.80 | 0.88 | 10 | 6.78 | 2.56 | 0.81 | 10 | 7.38 | 1.89 | 0.60 | 3 | 7.10 | 0.30 | 0.17 |
| | 7 | 10 | 15.36 | 9.37 | 2.96 | 10 | 14.10 | 5.28 | 1.67 | 10 | 18.59 | 12.75 | 4.03 | 3 | 16.02 | 2.32 | 1.34 |
| | 8 | 10 | 0.20 | 0.29 | 0.09 | 10 | 0.08 | 0.14 | 0.04 | 10 | 0.33 | 0.62 | 0.20 | 3 | 0.20 | 0.12 | 0.07 |
| | 9 | 10 | 117.70 | 29.92 | 9.46 | 10 | 132.43 | 51.98 | 16.44 | 10 | 98.79 | 23.42 | 7.40 | 3 | 116.30 | 16.86 | 9.74 |
| 300-Minute | 1 | 10 | 24.78 | 11.20 | 3.54 | 10 | 25.35 | 13.52 | 4.28 | 10 | 21.80 | 7.77 | 2.46 | 3 | 23.97 | 1.91 | 1.10 |
| | 2 | 10 | 13.65 | 5.05 | 1.60 | 10 | 13.08 | 6.53 | 2.07 | 10 | 20.59 | 10.32 | 3.26 | 3 | 15.77 | 4.18 | 2.41 |
| | 3 | 10 | 14.99 | 4.92 | 1.56 | 10 | 13.08 | 6.83 | 2.16 | 10 | 11.43 | 4.29 | 1.36 | 3 | 13.17 | 1.78 | 1.03 |
| | 4 | 10 | 12.82 | 4.41 | 1.39 | 10 | 11.69 | 3.20 | 1.01 | 10 | 12.39 | 5.31 | 1.68 | 3 | 12.30 | 0.57 | 0.33 |
| | 5 | 10 | 17.54 | 5.17 | 1.64 | 10 | 13.74 | 4.06 | 1.28 | 10 | 12.77 | 3.22 | 1.02 | 3 | 14.68 | 2.52 | 1.46 |
| | 6 | 10 | 9.46 | 2.41 | 0.76 | 10 | 5.97 | 1.86 | 0.59 | 10 | 5.98 | 2.04 | 0.65 | 3 | 7.13 | 2.01 | 1.16 |
| | 7 | 10 | 20.02 | 9.21 | 2.91 | 10 | 14.48 | 1.78 | 0.56 | 10 | 11.76 | 2.06 | 0.65 | 3 | 15.42 | 4.21 | 2.43 |
| | 8 | 10 | 0.24 | 0.18 | 0.06 | 10 | 0.05 | 0.09 | 0.03 | 10 | 0.11 | 0.16 | 0.05 | 3 | 0.13 | 0.09 | 0.05 |
| | 9 | 10 | 83.79 | 18.11 | 5.73 | 10 | 76.93 | 21.91 | 6.93 | 10 | 78.98 | 19.57 | 6.19 | 3 | 79.90 | 3.52 | 2.03 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 4E5 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 2 (Continued)

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. |
|---------------|---------------|--------------|-------|-------|---------------|-------|-------|---------------|-------|-------|------------|------|------|
| | | N | Mean | Std. | N | Mean | Std. | N | Mean | Std. | Mean | Std. | |
| 600-Minute | 1 | 10 | 21.71 | 10.10 | 10 | 24.67 | 13.51 | 10 | 31.36 | 20.73 | 25.91 | 4.94 | 2.85 |
| | 2 | 10 | 16.28 | 8.00 | 10 | 13.41 | 5.40 | 10 | 17.12 | 10.85 | 15.60 | 1.95 | 1.12 |
| | 3 | 10 | 9.20 | 4.36 | 10 | 12.54 | 4.51 | 10 | 12.58 | 5.50 | 11.44 | 1.94 | 1.12 |
| | 4 | 10 | 10.40 | 5.78 | 10 | 13.55 | 4.84 | 10 | 11.09 | 3.05 | 11.68 | 1.66 | 0.96 |
| | 5 | 10 | 11.35 | 3.12 | 10 | 12.35 | 3.08 | 10 | 9.49 | 2.85 | 11.06 | 1.45 | 0.84 |
| | 6 | 10 | 6.87 | 3.47 | 10 | 7.67 | 6.63 | 10 | 5.11 | 1.58 | 6.55 | 1.31 | 0.76 |
| | 7 | 10 | 18.80 | 7.05 | 10 | 22.48 | 19.88 | 10 | 13.76 | 1.42 | 18.35 | 4.38 | 2.53 |
| | 8 | 10 | 0.23 | 0.22 | 10 | 0.40 | 0.86 | 10 | 0.14 | 0.12 | 0.25 | 0.13 | 0.08 |
| | 9 | 10 | 68.94 | 22.84 | 10 | 76.51 | 20.12 | 10 | 81.63 | 33.03 | 75.69 | 6.38 | 3.69 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 4E5 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|--------|--------|---------------|----|--------|---------------|-------|----|------------|-------|-------|---|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 58.06 | 33.27 | 10.52 | 10 | 40.23 | 16.19 | 5.12 | 10 | 57.78 | 16.81 | 5.32 | 3 | 52.02 | 10.22 | 5.90 |
| | 2 | 10 | 35.19 | 17.93 | 5.67 | 10 | 33.47 | 10.09 | 3.19 | 10 | 38.84 | 17.50 | 5.53 | 3 | 35.83 | 2.74 | 1.58 |
| | 3 | 10 | 55.51 | 19.52 | 6.17 | 10 | 44.83 | 12.85 | 4.06 | 10 | 37.14 | 11.46 | 3.62 | 3 | 45.83 | 9.23 | 5.33 |
| | 4 | 10 | 43.21 | 12.58 | 3.98 | 10 | 49.63 | 17.05 | 5.39 | 10 | 48.87 | 18.66 | 5.90 | 3 | 47.24 | 3.51 | 2.03 |
| | 5 | 10 | 59.20 | 24.20 | 7.65 | 10 | 70.12 | 19.14 | 6.05 | 10 | 48.16 | 24.92 | 7.88 | 3 | 59.16 | 10.98 | 6.34 |
| | 6 | 10 | 39.26 | 13.08 | 4.14 | 10 | 60.08 | 14.85 | 4.70 | 10 | 31.52 | 11.54 | 3.65 | 3 | 43.62 | 14.77 | 8.53 |
| | 7 | 10 | 115.35 | 31.65 | 10.01 | 10 | 143.31 | 35.47 | 11.22 | 10 | 106.72 | 60.60 | 19.16 | 3 | 121.79 | 19.13 | 11.04 |
| | 8 | 10 | 1.48 | 0.96 | 0.30 | 10 | 1.49 | 0.67 | 0.21 | 10 | 1.08 | 0.55 | 0.17 | 3 | 1.35 | 0.23 | 0.13 |
| | 9 | 10 | 251.16 | 48.06 | 15.20 | 10 | 238.27 | 37.26 | 11.78 | 10 | 230.79 | 52.24 | 16.52 | 3 | 240.07 | 10.30 | 5.95 |
| 30-Minute | 1 | 10 | 100.51 | 40.91 | 12.94 | 10 | 133.67 | 79.39 | 25.10 | 10 | 124.70 | 47.79 | 15.11 | 3 | 119.63 | 17.15 | 9.90 |
| | 2 | 10 | 57.15 | 18.20 | 5.76 | 10 | 59.82 | 37.33 | 11.81 | 10 | 58.16 | 16.69 | 5.28 | 3 | 58.37 | 1.35 | 0.78 |
| | 3 | 10 | 63.85 | 25.65 | 8.11 | 10 | 60.53 | 18.87 | 5.97 | 10 | 49.59 | 17.97 | 5.68 | 3 | 57.99 | 7.46 | 4.31 |
| | 4 | 10 | 55.98 | 23.38 | 7.39 | 10 | 89.01 | 40.54 | 12.82 | 10 | 52.06 | 25.00 | 7.90 | 3 | 65.68 | 20.30 | 11.72 |
| | 5 | 10 | 86.21 | 92.97 | 29.40 | 10 | 101.22 | 37.42 | 11.83 | 10 | 48.49 | 34.74 | 10.99 | 3 | 78.64 | 27.16 | 15.68 |
| | 6 | 10 | 45.76 | 67.87 | 21.46 | 10 | 57.82 | 22.17 | 7.01 | 10 | 33.32 | 14.26 | 4.51 | 3 | 45.63 | 12.25 | 7.07 |
| | 7 | 10 | 135.06 | 180.40 | 57.05 | 10 | 227.27 | 100.15 | 31.67 | 10 | 80.35 | 37.29 | 11.79 | 3 | 147.56 | 74.25 | 42.87 |
| | 8 | 10 | 1.60 | 2.46 | 0.78 | 10 | 3.09 | 1.61 | 0.51 | 10 | 0.50 | 0.47 | 0.15 | 3 | 1.73 | 1.30 | 0.75 |
| | 9 | 10 | 363.69 | 112.19 | 35.48 | 10 | 444.25 | 115.15 | 36.42 | 10 | 333.00 | 77.56 | 24.53 | 3 | 380.31 | 57.46 | 33.17 |
| 90-Minute | 1 | 10 | 119.95 | 50.42 | 15.94 | 10 | 100.91 | 48.54 | 15.35 | 10 | 90.16 | 20.83 | 6.59 | 3 | 103.67 | 15.09 | 8.71 |
| | 2 | 10 | 54.04 | 20.84 | 6.59 | 10 | 47.51 | 16.65 | 5.26 | 10 | 47.41 | 31.46 | 9.95 | 3 | 49.65 | 3.80 | 2.19 |
| | 3 | 10 | 51.73 | 13.57 | 4.29 | 10 | 48.32 | 13.33 | 4.22 | 10 | 37.03 | 10.36 | 3.28 | 3 | 45.69 | 7.70 | 4.44 |
| | 4 | 10 | 50.52 | 22.20 | 7.02 | 10 | 51.20 | 18.13 | 5.73 | 10 | 52.65 | 17.85 | 5.64 | 3 | 51.45 | 1.09 | 0.63 |
| | 5 | 10 | 44.05 | 21.53 | 6.81 | 10 | 61.24 | 41.71 | 13.19 | 10 | 67.12 | 20.77 | 6.57 | 3 | 57.47 | 11.99 | 6.92 |
| | 6 | 10 | 40.11 | 23.07 | 7.29 | 10 | 33.00 | 12.05 | 3.81 | 10 | 38.10 | 13.75 | 4.35 | 3 | 37.07 | 3.66 | 2.11 |
| | 7 | 10 | 105.22 | 43.52 | 13.76 | 10 | 109.04 | 47.21 | 14.93 | 10 | 139.97 | 43.93 | 13.89 | 3 | 118.08 | 19.06 | 11.00 |
| | 8 | 10 | 1.57 | 1.26 | 0.40 | 10 | 1.24 | 0.60 | 0.19 | 10 | 1.88 | 1.36 | 0.43 | 3 | 1.56 | 0.32 | 0.19 |
| | 9 | 10 | 320.29 | 74.78 | 23.65 | 10 | 309.17 | 51.57 | 16.31 | 10 | 294.37 | 50.47 | 15.96 | 3 | 307.94 | 13.00 | 7.51 |
| 300-Minute | 1 | 10 | 96.85 | 31.96 | 10.11 | 10 | 83.23 | 20.01 | 6.33 | 10 | 86.06 | 26.49 | 8.38 | 3 | 88.71 | 7.19 | 4.15 |
| | 2 | 10 | 40.99 | 9.40 | 2.97 | 10 | 38.52 | 13.05 | 4.13 | 10 | 52.53 | 29.13 | 9.21 | 3 | 44.02 | 7.48 | 4.32 |
| | 3 | 10 | 44.20 | 14.88 | 4.70 | 10 | 35.79 | 10.37 | 3.28 | 10 | 35.06 | 10.01 | 3.17 | 3 | 38.35 | 5.08 | 2.93 |
| | 4 | 10 | 58.91 | 22.40 | 7.08 | 10 | 67.17 | 17.83 | 5.64 | 10 | 37.13 | 8.26 | 2.61 | 3 | 54.40 | 15.52 | 8.96 |
| | 5 | 10 | 166.17 | 73.15 | 23.13 | 10 | 111.26 | 35.44 | 11.21 | 10 | 70.59 | 22.81 | 7.21 | 3 | 116.01 | 47.97 | 27.69 |
| | 6 | 10 | 61.26 | 27.30 | 8.63 | 10 | 45.62 | 10.69 | 3.38 | 10 | 33.02 | 18.81 | 5.95 | 3 | 46.63 | 14.15 | 8.17 |
| | 7 | 10 | 190.71 | 40.26 | 12.73 | 10 | 143.97 | 39.19 | 12.39 | 10 | 95.24 | 23.24 | 7.35 | 3 | 143.31 | 47.74 | 27.56 |
| | 8 | 10 | 2.38 | 1.29 | 0.41 | 10 | 1.44 | 0.67 | 0.21 | 10 | 1.28 | 0.81 | 0.26 | 3 | 1.70 | 0.60 | 0.35 |
| | 9 | 10 | 407.12 | 77.10 | 24.38 | 10 | 335.98 | 41.55 | 13.14 | 10 | 281.37 | 58.25 | 18.42 | 3 | 341.49 | 63.06 | 36.40 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 4E5 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 3 (Continued)

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | | | | |
|------------|------------|--------------|--------|-------|---------------|----|--------|---------------|-------|----|------------|-------|-------|---|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | | | | |
| 600-Minute | 1 | 10 | 89.60 | 39.06 | 12.35 | 10 | 71.08 | 25.25 | 7.98 | 10 | 72.08 | 39.40 | 12.46 | 3 | 77.59 | 10.42 | 6.01 |
| | 2 | 10 | 42.67 | 14.36 | 4.54 | 10 | 45.18 | 14.02 | 4.43 | 10 | 54.79 | 28.78 | 9.10 | 3 | 47.55 | 6.40 | 3.69 |
| | 3 | 10 | 35.20 | 14.26 | 4.51 | 10 | 36.51 | 10.29 | 3.25 | 10 | 29.80 | 18.94 | 5.99 | 3 | 33.84 | 3.55 | 2.05 |
| | 4 | 10 | 57.49 | 15.01 | 4.75 | 10 | 71.82 | 25.66 | 8.11 | 10 | 55.40 | 20.21 | 6.39 | 3 | 61.57 | 8.94 | 5.16 |
| | 5 | 10 | 109.58 | 32.77 | 10.36 | 10 | 106.25 | 23.65 | 7.48 | 10 | 91.76 | 29.25 | 9.25 | 3 | 102.53 | 9.47 | 5.47 |
| | 6 | 10 | 59.97 | 14.30 | 4.52 | 10 | 49.51 | 9.49 | 3.00 | 10 | 50.84 | 12.94 | 4.09 | 3 | 53.44 | 5.69 | 3.29 |
| | 7 | 10 | 214.79 | 47.61 | 15.06 | 10 | 183.53 | 31.37 | 9.92 | 10 | 160.99 | 34.14 | 10.80 | 3 | 186.44 | 27.02 | 15.60 |
| | 8 | 10 | 3.18 | 1.48 | 0.47 | 10 | 3.36 | 1.70 | 0.54 | 10 | 2.08 | 1.15 | 0.36 | 3 | 2.87 | 0.70 | 0.40 |
| | 9 | 10 | 334.54 | 68.82 | 21.76 | 10 | 330.83 | 53.29 | 16.85 | 10 | 303.84 | 99.00 | 31.31 | 3 | 323.07 | 16.76 | 9.68 |

PARAMETER = Total Power
CHANNEL = 4 (Continued)

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|--------|-------|---------------|----|--------|---------------|------|----|------------|-------|-------|---|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| 600-Minute | 1 | 10 | 73.71 | 23.00 | 7.27 | 10 | 75.02 | 26.53 | 8.39 | 10 | 57.03 | 36.77 | 11.63 | 3 | 68.59 | 10.03 | 5.79 |
| | 2 | 10 | 32.84 | 10.38 | 3.28 | 10 | 35.56 | 10.37 | 3.28 | 10 | 36.27 | 25.55 | 8.08 | 3 | 34.89 | 1.81 | 1.05 |
| | 3 | 10 | 25.21 | 8.31 | 2.63 | 10 | 24.63 | 6.41 | 2.03 | 10 | 19.37 | 8.84 | 2.79 | 3 | 23.07 | 3.22 | 1.86 |
| | 4 | 10 | 16.40 | 3.76 | 1.19 | 10 | 24.41 | 6.75 | 2.13 | 10 | 13.07 | 6.68 | 2.11 | 3 | 17.96 | 5.83 | 3.36 |
| | 5 | 10 | 25.21 | 8.47 | 2.68 | 10 | 22.65 | 8.07 | 2.55 | 10 | 17.62 | 4.41 | 1.40 | 3 | 21.83 | 3.86 | 2.23 |
| | 6 | 10 | 18.08 | 4.88 | 1.54 | 10 | 14.39 | 3.48 | 1.10 | 10 | 10.34 | 4.57 | 1.45 | 3 | 14.27 | 3.87 | 2.23 |
| | 7 | 10 | 51.92 | 10.00 | 3.16 | 10 | 55.13 | 21.65 | 6.85 | 10 | 34.83 | 11.55 | 3.65 | 3 | 47.29 | 10.91 | 6.30 |
| | 8 | 10 | 0.77 | 0.50 | 0.16 | 10 | 0.72 | 0.69 | 0.22 | 10 | 0.41 | 0.25 | 0.08 | 3 | 0.63 | 0.20 | 0.11 |
| | 9 | 10 | 173.37 | 34.14 | 10.80 | 10 | 182.27 | 25.13 | 7.95 | 10 | 143.36 | 71.84 | 22.72 | 3 | 166.33 | 20.39 | 11.77 |

PARAMETER = Percent Power
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|---|-------|-------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 44.76 | 16.02 | 5.07 | 10 | 24.65 | 13.25 | 4.19 | 10 | 26.36 | 9.77 | 3.09 | 3 | 31.92 | 11.15 | 6.44 |
| | 2 | 10 | 16.73 | 6.50 | 2.05 | 10 | 18.58 | 9.90 | 3.13 | 10 | 11.84 | 6.28 | 1.99 | 3 | 15.72 | 3.48 | 2.01 |
| | 3 | 10 | 16.92 | 5.41 | 1.71 | 10 | 12.64 | 3.87 | 1.22 | 10 | 17.27 | 5.90 | 1.86 | 3 | 15.61 | 2.58 | 1.49 |
| | 4 | 10 | 20.64 | 27.10 | 8.57 | 10 | 15.49 | 6.39 | 2.02 | 10 | 17.69 | 5.15 | 1.63 | 3 | 17.94 | 2.58 | 1.49 |
| | 5 | 10 | 9.44 | 4.62 | 1.46 | 10 | 28.64 | 15.60 | 4.93 | 10 | 26.83 | 11.02 | 3.48 | 3 | 21.64 | 10.60 | 6.12 |
| 600-Minute | 1 | 10 | 56.07 | 17.28 | 5.46 | 10 | 39.55 | 23.49 | 7.43 | 10 | 45.25 | 16.47 | 5.21 | 3 | 46.96 | 8.39 | 4.84 |
| | 2 | 10 | 13.09 | 3.90 | 1.23 | 10 | 12.33 | 4.26 | 1.35 | 10 | 15.18 | 4.98 | 1.57 | 3 | 13.53 | 1.48 | 0.85 |
| | 3 | 10 | 9.45 | 2.44 | 0.77 | 10 | 10.21 | 4.12 | 1.30 | 10 | 9.34 | 3.00 | 0.95 | 3 | 9.67 | 0.47 | 0.27 |
| | 4 | 10 | 9.17 | 6.04 | 1.91 | 10 | 9.33 | 4.34 | 1.37 | 10 | 10.67 | 5.46 | 1.73 | 3 | 9.72 | 0.82 | 0.48 |
| | 5 | 10 | 12.21 | 8.18 | 2.59 | 10 | 28.58 | 18.07 | 5.71 | 10 | 19.56 | 11.42 | 3.61 | 3 | 20.12 | 8.20 | 4.73 |

PARAMETER = Percent Power
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 34.91 | 16.06 | 5.08 | 10 | 37.59 | 6.50 | 2.06 | 10 | 33.59 | 7.92 | 2.50 | 3 | 35.36 | 2.04 | 1.18 |
| | 2 | 10 | 19.17 | 5.36 | 1.70 | 10 | 17.51 | 7.32 | 2.31 | 10 | 17.19 | 4.94 | 1.56 | 3 | 17.96 | 1.06 | 0.61 |
| | 3 | 10 | 19.83 | 7.12 | 2.25 | 10 | 15.32 | 4.74 | 1.50 | 10 | 17.04 | 5.59 | 1.77 | 3 | 17.40 | 2.28 | 1.32 |
| | 4 | 10 | 23.78 | 26.89 | 8.50 | 10 | 14.68 | 4.73 | 1.49 | 10 | 16.71 | 5.17 | 1.64 | 3 | 18.39 | 4.78 | 2.76 |
| | 5 | 10 | 10.94 | 6.22 | 1.97 | 10 | 14.91 | 6.68 | 2.11 | 10 | 15.46 | 5.71 | 1.80 | 3 | 13.77 | 2.46 | 1.42 |
| 600-Minute | 1 | 10 | 44.61 | 11.29 | 3.57 | 10 | 45.01 | 17.19 | 5.43 | 10 | 43.73 | 9.28 | 2.93 | 3 | 44.45 | 0.65 | 0.38 |
| | 2 | 10 | 20.06 | 4.77 | 1.51 | 10 | 20.05 | 9.52 | 3.01 | 10 | 18.71 | 5.68 | 1.79 | 3 | 19.60 | 0.78 | 0.45 |
| | 3 | 10 | 14.59 | 4.07 | 1.29 | 10 | 12.65 | 4.54 | 1.44 | 10 | 10.92 | 3.42 | 1.08 | 3 | 12.72 | 1.84 | 1.06 |
| | 4 | 10 | 10.12 | 5.37 | 1.70 | 10 | 8.54 | 4.50 | 1.42 | 10 | 10.77 | 5.04 | 1.59 | 3 | 9.81 | 1.15 | 0.66 |
| | 5 | 10 | 10.62 | 3.16 | 1.00 | 10 | 13.75 | 7.72 | 2.44 | 10 | 15.87 | 4.59 | 1.45 | 3 | 13.41 | 2.64 | 1.53 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
 TASK: 89-09
 DESCRIPTIVE STATISTICS FOR ANIMAL 4E5 DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
 CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | |
| Baseline | 1 | 10 | 34.94 | 13.46 | 4.26 | 10 | 24.52 | 9.17 | 2.90 | 10 | 25.29 | 6.82 | 2.16 |
| | 2 | 10 | 17.85 | 5.51 | 1.74 | 10 | 11.73 | 4.57 | 1.44 | 10 | 15.62 | 5.92 | 1.87 |
| | 3 | 10 | 19.74 | 10.48 | 3.32 | 10 | 17.20 | 5.17 | 1.64 | 10 | 18.72 | 5.18 | 1.64 |
| | 4 | 10 | 28.41 | 29.41 | 9.30 | 10 | 23.58 | 4.98 | 1.58 | 10 | 17.99 | 6.44 | 2.04 |
| | 5 | 10 | 9.24 | 2.75 | 0.87 | 10 | 22.97 | 10.68 | 3.38 | 10 | 22.37 | 9.75 | 3.08 |
| 600-Minute | 1 | 10 | 43.26 | 12.70 | 4.02 | 10 | 35.84 | 14.34 | 4.53 | 10 | 35.82 | 16.50 | 5.22 |
| | 2 | 10 | 22.55 | 5.82 | 1.84 | 10 | 17.97 | 8.24 | 2.61 | 10 | 17.14 | 8.37 | 2.65 |
| | 3 | 10 | 12.65 | 5.22 | 1.65 | 10 | 11.17 | 3.93 | 1.24 | 10 | 15.25 | 6.36 | 2.01 |
| | 4 | 10 | 10.46 | 4.01 | 1.27 | 10 | 13.96 | 5.12 | 1.62 | 10 | 15.40 | 6.54 | 2.07 |
| | 5 | 10 | 11.08 | 6.10 | 1.93 | 10 | 21.06 | 12.45 | 3.94 | 10 | 16.40 | 7.80 | 2.47 |
| | | | | | | | | | | | 38.31 | 4.29 | 2.47 |
| | | | | | | | | | | | 19.22 | 2.92 | 1.68 |
| | | | | | | | | | | | 13.02 | 2.06 | 1.19 |
| | | | | | | | | | | | 13.27 | 2.54 | 1.47 |
| | | | | | | | | | | | 16.18 | 4.99 | 2.88 |

PARAMETER = Mean Frequency
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | | Windows 11-20 | | | | Windows 21-30 | | | | Grand Mean | | | |
|------------|------------|--------------|-------|------|------|---------------|-------|------|------|---------------|-------|------|------|------------|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 1.95 | 0.23 | 0.07 | 10 | 1.97 | 0.38 | 0.12 | 10 | 1.67 | 0.30 | 0.10 | 3 | 1.86 | 0.16 | 0.10 |
| | 2 | 10 | 5.46 | 0.32 | 0.10 | 10 | 5.55 | 0.37 | 0.12 | 10 | 5.59 | 0.34 | 0.11 | 3 | 5.53 | 0.07 | 0.04 |
| | 3 | 10 | 10.14 | 0.40 | 0.13 | 10 | 10.44 | 0.44 | 0.14 | 10 | 10.48 | 0.38 | 0.12 | 3 | 10.35 | 0.19 | 0.11 |
| | 4 | 10 | 14.07 | 3.24 | 1.02 | 10 | 15.34 | 0.35 | 0.11 | 10 | 15.33 | 0.32 | 0.10 | 3 | 14.91 | 0.73 | 0.42 |
| | 5 | 10 | 20.91 | 0.55 | 0.17 | 10 | 21.32 | 0.51 | 0.16 | 10 | 21.32 | 0.53 | 0.17 | 3 | 21.18 | 0.23 | 0.14 |
| 600-Minute | 9 | 10 | 7.30 | 1.96 | 0.62 | 10 | 11.31 | 3.37 | 1.06 | 10 | 11.32 | 2.12 | 0.67 | 3 | 9.98 | 2.32 | 1.34 |
| | 1 | 10 | 1.75 | 0.26 | 0.08 | 10 | 1.83 | 0.35 | 0.11 | 10 | 1.87 | 0.27 | 0.09 | 3 | 1.81 | 0.06 | 0.03 |
| | 2 | 10 | 5.37 | 0.31 | 0.10 | 10 | 5.54 | 0.29 | 0.09 | 10 | 5.59 | 0.29 | 0.09 | 3 | 5.50 | 0.11 | 0.07 |
| | 3 | 10 | 10.46 | 0.30 | 0.10 | 10 | 10.32 | 0.18 | 0.06 | 10 | 10.00 | 0.50 | 0.16 | 3 | 10.26 | 0.24 | 0.14 |
| | 4 | 10 | 15.04 | 0.28 | 0.09 | 10 | 15.30 | 0.40 | 0.13 | 10 | 15.30 | 0.50 | 0.16 | 3 | 15.21 | 0.15 | 0.09 |
| | 5 | 10 | 21.06 | 0.30 | 0.10 | 10 | 21.46 | 0.24 | 0.07 | 10 | 21.01 | 0.52 | 0.16 | 3 | 21.18 | 0.24 | 0.14 |
| | 9 | 10 | 6.61 | 2.59 | 0.82 | 10 | 9.97 | 4.33 | 1.37 | 10 | 8.37 | 2.90 | 0.92 | 3 | 8.32 | 1.68 | 0.97 |

PARAMETER = Mean Frequency
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 1.99 | 0.26 | 0.08 | 10 | 1.83 | 0.35 | 0.11 | 10 | 1.83 | 0.33 | 0.10 | 3 | 1.89 | 0.09 | 0.05 |
| | 2 | 10 | 5.47 | 0.23 | 0.07 | 10 | 5.51 | 0.45 | 0.14 | 10 | 5.59 | 0.32 | 0.10 | 3 | 5.53 | 0.06 | 0.04 |
| | 3 | 10 | 10.45 | 0.55 | 0.17 | 10 | 10.28 | 0.30 | 0.10 | 10 | 10.47 | 0.27 | 0.09 | 3 | 10.40 | 0.10 | 0.06 |
| | 4 | 10 | 14.02 | 3.13 | 0.99 | 10 | 15.25 | 0.36 | 0.11 | 10 | 15.21 | 0.28 | 0.09 | 3 | 14.82 | 0.70 | 0.40 |
| | 5 | 10 | 21.31 | 0.36 | 0.11 | 10 | 21.02 | 0.49 | 0.15 | 10 | 20.68 | 0.67 | 0.21 | 3 | 21.00 | 0.31 | 0.18 |
| 600-Minute | 9 | 10 | 8.42 | 2.32 | 0.73 | 10 | 8.61 | 1.13 | 0.36 | 10 | 9.08 | 1.24 | 0.39 | 3 | 8.70 | 0.34 | 0.20 |
| | 1 | 10 | 1.95 | 0.34 | 0.11 | 10 | 1.86 | 0.26 | 0.08 | 10 | 1.97 | 0.19 | 0.06 | 3 | 1.93 | 0.06 | 0.03 |
| | 2 | 10 | 5.29 | 0.29 | 0.09 | 10 | 5.49 | 0.30 | 0.10 | 10 | 5.35 | 0.19 | 0.06 | 3 | 5.37 | 0.10 | 0.06 |
| | 3 | 10 | 10.30 | 0.50 | 0.16 | 10 | 10.25 | 0.39 | 0.12 | 10 | 9.97 | 0.31 | 0.10 | 3 | 10.17 | 0.18 | 0.10 |
| | 4 | 10 | 14.99 | 0.42 | 0.13 | 10 | 15.41 | 0.27 | 0.09 | 10 | 15.34 | 0.49 | 0.15 | 3 | 15.25 | 0.23 | 0.13 |
| | 5 | 10 | 21.28 | 0.40 | 0.13 | 10 | 21.28 | 0.52 | 0.16 | 10 | 21.37 | 0.62 | 0.20 | 3 | 21.31 | 0.05 | 0.03 |
| | 9 | 10 | 7.23 | 1.39 | 0.44 | 10 | 7.47 | 2.38 | 0.75 | 10 | 8.00 | 1.24 | 0.39 | 3 | 7.57 | 0.40 | 0.23 |

PARAMETER = Mean Frequency
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 2.14 | 0.25 | 0.08 | 10 | 2.03 | 0.34 | 0.11 | 10 | 2.04 | 0.23 | 0.07 | 3 | 2.07 | 0.06 | 0.03 |
| | 2 | 10 | 5.32 | 0.30 | 0.09 | 10 | 5.57 | 0.43 | 0.14 | 10 | 5.55 | 0.29 | 0.09 | 3 | 5.48 | 0.14 | 0.08 |
| | 3 | 10 | 10.27 | 0.42 | 0.13 | 10 | 10.40 | 0.43 | 0.14 | 10 | 10.28 | 0.24 | 0.07 | 3 | 10.32 | 0.07 | 0.04 |
| | 4 | 10 | 13.92 | 3.15 | 1.00 | 10 | 15.18 | 0.46 | 0.14 | 10 | 14.98 | 0.21 | 0.07 | 3 | 14.70 | 0.68 | 0.39 |
| | 5 | 10 | 21.26 | 0.44 | 0.14 | 10 | 21.43 | 0.42 | 0.13 | 10 | 20.96 | 0.48 | 0.15 | 3 | 21.21 | 0.24 | 0.14 |
| | 9 | 10 | 9.62 | 1.25 | 0.39 | 10 | 10.10 | 1.46 | 0.46 | 10 | 8.82 | 1.05 | 0.33 | 3 | 9.52 | 0.65 | 0.37 |
| 600-Minute | 1 | 10 | 1.90 | 0.17 | 0.05 | 10 | 2.11 | 0.24 | 0.08 | 10 | 1.79 | 0.16 | 0.05 | 3 | 1.93 | 0.16 | 0.09 |
| | 2 | 10 | 5.36 | 0.28 | 0.09 | 10 | 5.40 | 0.19 | 0.06 | 10 | 5.56 | 0.35 | 0.11 | 3 | 5.44 | 0.10 | 0.06 |
| | 3 | 10 | 10.30 | 0.47 | 0.15 | 10 | 10.49 | 0.32 | 0.10 | 10 | 10.32 | 0.31 | 0.10 | 3 | 10.37 | 0.10 | 0.06 |
| | 4 | 10 | 15.15 | 0.37 | 0.12 | 10 | 15.45 | 0.48 | 0.15 | 10 | 15.03 | 0.36 | 0.11 | 3 | 15.21 | 0.22 | 0.13 |
| | 5 | 10 | 21.19 | 0.42 | 0.13 | 10 | 21.14 | 0.49 | 0.16 | 10 | 21.39 | 0.34 | 0.11 | 3 | 21.24 | 0.13 | 0.08 |
| | 9 | 10 | 8.48 | 2.24 | 0.71 | 10 | 9.27 | 1.57 | 0.50 | 10 | 9.32 | 1.80 | 0.57 | 3 | 9.02 | 0.47 | 0.27 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 4E5 DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. |
|------------|------------|--------------|-------|------|---------------|-------|------|---------------|-------|------|------------|------|------|
| | | N | Mean | Std. | N | Mean | Std. | N | Mean | Std. | Mean | Std. | |
| Baseline | 1 | 10 | 2.12 | 0.26 | 10 | 1.98 | 0.30 | 10 | 2.18 | 0.14 | 2.09 | 0.10 | 0.06 |
| | 2 | 10 | 5.38 | 0.28 | 10 | 5.42 | 0.41 | 10 | 5.60 | 0.31 | 5.47 | 0.12 | 0.07 |
| | 3 | 10 | 10.04 | 0.56 | 10 | 10.48 | 0.35 | 10 | 10.16 | 0.27 | 10.23 | 0.22 | 0.13 |
| | 4 | 10 | 13.83 | 3.46 | 10 | 15.41 | 0.28 | 10 | 15.13 | 0.33 | 14.79 | 0.84 | 0.49 |
| | 5 | 10 | 20.87 | 0.40 | 10 | 21.44 | 0.32 | 10 | 20.99 | 0.43 | 21.10 | 0.30 | 0.17 |
| 600-Minute | 9 | 10 | 8.38 | 1.50 | 10 | 11.49 | 1.89 | 10 | 10.75 | 1.92 | 10.21 | 1.62 | 0.94 |
| | 1 | 10 | 2.01 | 0.18 | 10 | 1.99 | 0.27 | 10 | 1.90 | 0.25 | 1.97 | 0.06 | 0.04 |
| | 2 | 10 | 5.50 | 0.29 | 10 | 5.47 | 0.27 | 10 | 5.56 | 0.34 | 5.51 | 0.04 | 0.02 |
| | 3 | 10 | 10.17 | 0.40 | 10 | 10.27 | 0.39 | 10 | 10.28 | 0.41 | 10.24 | 0.06 | 0.04 |
| | 4 | 10 | 15.16 | 0.41 | 10 | 15.36 | 0.29 | 10 | 15.16 | 0.30 | 15.23 | 0.12 | 0.07 |
| | 5 | 10 | 21.11 | 0.40 | 10 | 21.17 | 0.43 | 10 | 21.05 | 0.39 | 21.11 | 0.06 | 0.04 |
| | 9 | 10 | 7.31 | 1.49 | 10 | 9.44 | 2.62 | 10 | 8.96 | 2.24 | 8.57 | 1.12 | 0.65 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL 4E5 DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 8 | 2.19 | 0.75 | 0.27 | 7 | 2.36 | 0.85 | 0.32 | 6 | 2.17 | 0.61 | 0.25 |
| | 2 | 9 | 6.00 | 1.17 | 0.39 | 8 | 5.69 | 0.96 | 0.34 | 9 | 5.78 | 0.67 | 0.22 |
| | 3 | 10 | 10.15 | 1.53 | 0.48 | 10 | 11.20 | 1.16 | 0.37 | 9 | 10.83 | 1.27 | 0.42 |
| | 4 | 10 | 14.00 | 4.45 | 1.41 | 10 | 16.10 | 1.02 | 0.32 | 10 | 15.85 | 0.94 | 0.30 |
| | 5 | 10 | 22.15 | 1.42 | 0.45 | 10 | 22.15 | 2.01 | 0.64 | 10 | 21.90 | 1.63 | 0.52 |
| 600-Minute | 9 | 10 | 3.40 | 2.50 | 0.79 | 10 | 11.40 | 9.39 | 2.97 | 10 | 13.40 | 9.00 | 2.84 |
| | 1 | 6 | 2.33 | 0.82 | 0.33 | 8 | 2.19 | 0.80 | 0.28 | 7 | 2.14 | 0.63 | 0.24 |
| | 2 | 9 | 5.61 | 0.99 | 0.33 | 9 | 5.61 | 0.89 | 0.30 | 9 | 5.89 | 1.02 | 0.34 |
| | 3 | 10 | 11.90 | 0.61 | 0.19 | 10 | 11.35 | 1.03 | 0.33 | 10 | 10.25 | 1.30 | 0.41 |
| | 4 | 8 | 15.19 | 1.33 | 0.47 | 8 | 15.81 | 1.03 | 0.37 | 10 | 15.80 | 0.92 | 0.29 |
| | 5 | 10 | 21.70 | 1.62 | 0.51 | 9 | 21.72 | 1.37 | 0.46 | 10 | 21.35 | 2.21 | 0.70 |
| | 9 | 10 | 6.30 | 6.18 | 1.95 | 10 | 10.50 | 10.00 | 3.16 | 10 | 6.10 | 7.55 | 2.39 |
| | | | | | | | | | | 3 | 7.63 | 2.48 | 1.43 |

PARAMETER = Peak Frequency
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 7 | 2.14 | 0.69 | 0.26 | 7 | 2.71 | 0.76 | 0.29 | 7 | 2.86 | 0.56 | 0.21 | 3 | 2.57 | 0.38 | 0.22 |
| | 2 | 9 | 5.56 | 0.81 | 0.27 | 7 | 5.71 | 0.99 | 0.38 | 9 | 5.94 | 0.77 | 0.26 | 3 | 5.74 | 0.20 | 0.11 |
| | 3 | 9 | 10.39 | 1.17 | 0.39 | 10 | 10.20 | 1.32 | 0.42 | 10 | 11.30 | 1.18 | 0.37 | 3 | 10.63 | 0.59 | 0.34 |
| | 4 | 10 | 13.50 | 4.17 | 1.32 | 9 | 15.56 | 1.01 | 0.34 | 10 | 14.80 | 1.06 | 0.34 | 3 | 14.62 | 1.04 | 0.60 |
| | 5 | 10 | 21.80 | 1.67 | 0.53 | 10 | 21.75 | 1.55 | 0.49 | 10 | 20.80 | 1.60 | 0.51 | 3 | 21.45 | 0.56 | 0.33 |
| | 9 | 10 | 5.60 | 4.37 | 1.38 | 10 | 6.75 | 5.71 | 1.81 | 10 | 8.65 | 6.22 | 1.97 | 3 | 7.00 | 1.54 | 0.89 |
| 600-Minute | 1 | 7 | 3.14 | 0.38 | 0.14 | 7 | 2.50 | 0.87 | 0.33 | 8 | 2.44 | 0.68 | 0.24 | 3 | 2.69 | 0.39 | 0.23 |
| | 2 | 8 | 5.81 | 1.13 | 0.40 | 9 | 5.67 | 1.00 | 0.33 | 10 | 5.45 | 0.93 | 0.29 | 3 | 5.64 | 0.18 | 0.11 |
| | 3 | 10 | 10.55 | 1.44 | 0.46 | 10 | 11.15 | 1.27 | 0.40 | 10 | 9.65 | 1.11 | 0.35 | 3 | 10.45 | 0.75 | 0.44 |
| | 4 | 10 | 15.20 | 1.27 | 0.40 | 9 | 16.00 | 1.12 | 0.37 | 10 | 16.05 | 1.30 | 0.41 | 3 | 15.75 | 0.48 | 0.28 |
| | 5 | 10 | 22.40 | 1.79 | 0.57 | 8 | 21.31 | 1.53 | 0.54 | 10 | 22.20 | 2.12 | 0.67 | 3 | 21.97 | 0.58 | 0.33 |
| | 9 | 10 | 4.35 | 2.75 | 0.87 | 10 | 6.10 | 6.16 | 1.95 | 10 | 3.10 | 1.22 | 0.39 | 3 | 4.52 | 1.51 | 0.87 |

PARAMETER = Peak Frequency
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 9 | 2.11 | 0.55 | 0.18 | 8 | 2.50 | 0.80 | 0.28 | 9 | 2.50 | 0.79 | 0.26 | 3 | 2.37 | 0.22 | 0.13 |
| | 2 | 8 | 5.87 | 0.79 | 0.28 | 7 | 6.43 | 0.98 | 0.37 | 10 | 6.05 | 1.12 | 0.35 | 3 | 6.12 | 0.28 | 0.16 |
| | 3 | 10 | 10.20 | 1.30 | 0.41 | 10 | 10.50 | 1.33 | 0.42 | 10 | 10.80 | 1.23 | 0.39 | 3 | 10.50 | 0.30 | 0.17 |
| | 4 | 9 | 14.00 | 4.18 | 1.39 | 10 | 15.20 | 0.92 | 0.29 | 10 | 15.65 | 1.03 | 0.33 | 3 | 14.95 | 0.85 | 0.49 |
| | 5 | 10 | 21.50 | 1.97 | 0.62 | 10 | 22.25 | 1.78 | 0.56 | 10 | 20.95 | 1.36 | 0.43 | 3 | 21.57 | 0.65 | 0.38 |
| | 9 | 10 | 2.45 | 0.96 | 0.30 | 10 | 8.50 | 7.55 | 2.39 | 10 | 4.45 | 3.00 | 0.95 | 3 | 5.13 | 3.08 | 1.78 |
| 600-Minute | 1 | 9 | 2.33 | 0.94 | 0.31 | 9 | 2.22 | 0.71 | 0.24 | 7 | 2.00 | 0.76 | 0.29 | 3 | 2.19 | 0.17 | 0.10 |
| | 2 | 10 | 5.60 | 0.74 | 0.23 | 9 | 6.06 | 1.13 | 0.38 | 10 | 5.85 | 1.11 | 0.35 | 3 | 5.84 | 0.23 | 0.13 |
| | 3 | 9 | 10.67 | 1.06 | 0.35 | 10 | 11.30 | 1.01 | 0.32 | 10 | 10.75 | 1.42 | 0.45 | 3 | 10.91 | 0.34 | 0.20 |
| | 4 | 10 | 15.35 | 1.20 | 0.38 | 10 | 16.50 | 1.20 | 0.38 | 10 | 15.25 | 1.14 | 0.36 | 3 | 15.70 | 0.69 | 0.40 |
| | 5 | 10 | 21.45 | 1.99 | 0.63 | 10 | 21.00 | 1.51 | 0.48 | 10 | 21.15 | 1.40 | 0.44 | 3 | 21.20 | 0.23 | 0.13 |
| | 9 | 10 | 4.35 | 5.97 | 1.89 | 10 | 2.90 | 1.76 | 0.56 | 10 | 4.70 | 6.57 | 2.08 | 3 | 3.98 | 0.95 | 0.55 |

PARAMETER = Peak Frequency
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 9 | 2.28 | 0.83 | 0.28 | 8 | 2.50 | 0.80 | 0.28 | 10 | 2.30 | 0.63 | 0.20 | 3 | 2.36 | 0.12 | 0.07 |
| | 2 | 8 | 6.00 | 0.96 | 0.34 | 7 | 6.43 | 0.98 | 0.37 | 9 | 5.94 | 0.92 | 0.31 | 3 | 6.12 | 0.26 | 0.15 |
| | 3 | 9 | 10.22 | 1.37 | 0.46 | 10 | 10.65 | 0.94 | 0.30 | 10 | 9.75 | 1.01 | 0.32 | 3 | 10.21 | 0.45 | 0.26 |
| | 4 | 10 | 14.15 | 3.89 | 1.23 | 10 | 15.95 | 0.80 | 0.25 | 10 | 15.80 | 1.30 | 0.41 | 3 | 15.30 | 1.00 | 0.58 |
| | 5 | 10 | 20.90 | 1.79 | 0.57 | 10 | 22.60 | 1.24 | 0.39 | 10 | 21.25 | 1.48 | 0.47 | 3 | 21.58 | 0.90 | 0.52 |
| | 9 | 10 | 5.75 | 5.15 | 1.63 | 10 | 11.55 | 8.35 | 2.64 | 10 | 4.95 | 5.73 | 1.81 | 3 | 7.42 | 3.60 | 2.08 |
| 600-Minute | 1 | 9 | 2.22 | 0.75 | 0.25 | 8 | 1.94 | 0.42 | 0.15 | 9 | 1.78 | 0.26 | 0.09 | 3 | 1.98 | 0.23 | 0.13 |
| | 2 | 10 | 5.30 | 0.54 | 0.17 | 10 | 5.75 | 1.30 | 0.41 | 9 | 5.67 | 1.12 | 0.37 | 3 | 5.57 | 0.24 | 0.14 |
| | 3 | 10 | 10.55 | 1.50 | 0.47 | 10 | 10.85 | 1.45 | 0.46 | 10 | 10.55 | 1.38 | 0.44 | 3 | 10.65 | 0.17 | 0.10 |
| | 4 | 10 | 15.45 | 1.07 | 0.34 | 10 | 16.05 | 1.09 | 0.35 | 10 | 16.10 | 1.24 | 0.39 | 3 | 15.87 | 0.36 | 0.21 |
| | 5 | 10 | 21.90 | 1.58 | 0.50 | 10 | 21.45 | 1.01 | 0.32 | 10 | 21.38 | 1.51 | 0.48 | 3 | 21.58 | 0.28 | 0.16 |
| | 9 | 10 | 3.25 | 1.75 | 0.55 | 10 | 8.05 | 9.45 | 2.99 | 10 | 4.25 | 4.91 | 1.55 | 3 | 5.18 | 2.53 | 1.46 |

PARAMETER = Total Power
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | | Windows 11-20 | | | | Windows 21-30 | | | | Grand Mean | | | |
|------------|------------|--------------|--------|-------|-------|---------------|--------|-------|-------|---------------|--------|-------|-------|------------|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 56.15 | 39.60 | 12.52 | 10 | 46.18 | 30.02 | 9.49 | 10 | 33.36 | 13.34 | 4.22 | 3 | 45.23 | 11.42 | 6.60 |
| | 2 | 10 | 17.71 | 4.72 | 1.49 | 10 | 31.82 | 14.01 | 4.43 | 10 | 14.60 | 6.29 | 1.99 | 3 | 21.38 | 9.17 | 5.30 |
| | 3 | 10 | 18.47 | 6.36 | 2.01 | 10 | 22.58 | 8.26 | 2.61 | 10 | 21.82 | 8.25 | 2.61 | 3 | 20.96 | 2.18 | 1.26 |
| | 4 | 10 | 24.07 | 37.89 | 11.98 | 10 | 26.35 | 9.47 | 2.99 | 10 | 22.98 | 9.31 | 2.94 | 3 | 24.47 | 1.72 | 0.99 |
| | 5 | 10 | 9.85 | 3.57 | 1.13 | 10 | 52.95 | 31.15 | 9.85 | 10 | 34.94 | 16.86 | 5.33 | 3 | 32.58 | 21.65 | 12.50 |
| | 6 | 10 | 5.48 | 3.56 | 1.12 | 10 | 27.22 | 15.68 | 4.96 | 10 | 26.65 | 19.69 | 6.23 | 3 | 19.79 | 12.39 | 7.15 |
| | 7 | 10 | 14.53 | 11.25 | 3.56 | 10 | 111.08 | 71.38 | 22.57 | 10 | 91.49 | 39.00 | 12.33 | 3 | 72.36 | 51.04 | 29.47 |
| | 8 | 10 | 0.04 | 0.10 | 0.03 | 10 | 1.91 | 1.43 | 0.45 | 10 | 1.07 | 0.72 | 0.23 | 3 | 1.01 | 0.94 | 0.54 |
| | 9 | 10 | 114.65 | 41.29 | 13.06 | 10 | 179.88 | 43.29 | 13.69 | 10 | 127.70 | 23.70 | 7.50 | 3 | 140.74 | 34.51 | 19.93 |
| 600-Minute | 1 | 10 | 83.52 | 51.72 | 16.35 | 10 | 88.91 | 70.44 | 22.28 | 10 | 73.26 | 47.12 | 14.90 | 3 | 81.90 | 7.95 | 4.59 |
| | 2 | 10 | 18.34 | 6.56 | 2.08 | 10 | 25.14 | 11.68 | 3.69 | 10 | 22.42 | 6.46 | 2.04 | 3 | 21.97 | 3.42 | 1.98 |
| | 3 | 10 | 13.66 | 5.52 | 1.75 | 10 | 20.18 | 7.43 | 2.35 | 10 | 13.52 | 3.17 | 1.00 | 3 | 15.79 | 3.81 | 2.20 |
| | 4 | 10 | 13.58 | 12.22 | 3.86 | 10 | 19.07 | 9.73 | 3.08 | 10 | 17.09 | 11.78 | 3.73 | 3 | 16.58 | 2.78 | 1.61 |
| | 5 | 10 | 17.23 | 13.32 | 4.21 | 10 | 55.87 | 34.77 | 10.99 | 10 | 29.31 | 16.72 | 5.29 | 3 | 34.14 | 19.76 | 11.41 |
| | 6 | 10 | 9.88 | 7.82 | 2.47 | 10 | 30.21 | 26.99 | 8.54 | 10 | 21.20 | 19.36 | 6.12 | 3 | 20.43 | 10.19 | 5.88 |
| | 7 | 10 | 36.97 | 45.94 | 14.53 | 10 | 128.60 | 86.23 | 27.27 | 10 | 64.34 | 48.22 | 15.25 | 3 | 76.64 | 47.04 | 27.16 |
| | 8 | 10 | 0.34 | 0.73 | 0.23 | 10 | 1.83 | 1.76 | 0.56 | 10 | 1.03 | 1.05 | 0.33 | 3 | 1.07 | 0.75 | 0.43 |
| | 9 | 10 | 146.34 | 53.60 | 16.95 | 10 | 209.17 | 68.75 | 21.74 | 10 | 155.61 | 53.96 | 17.06 | 3 | 170.37 | 33.92 | 19.58 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
 TASK: 89-09
 DESCRIPTIVE STATISTICS FOR ANIMAL 4E5 DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Total Power
 CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|--------|-------|---------------|----|--------|---------------|-------|----|------------|--------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 53.67 | 37.34 | 11.81 | 10 | 48.47 | 17.58 | 5.56 | 10 | 39.69 | 20.92 | 6.62 |
| | 2 | 10 | 28.67 | 13.04 | 4.12 | 10 | 23.54 | 14.80 | 4.68 | 10 | 21.28 | 15.40 | 4.87 |
| | 3 | 10 | 27.54 | 11.52 | 3.64 | 10 | 20.24 | 10.18 | 3.22 | 10 | 19.91 | 12.03 | 3.81 |
| | 4 | 10 | 35.41 | 52.28 | 16.53 | 10 | 18.98 | 8.58 | 2.71 | 10 | 18.38 | 5.90 | 1.87 |
| | 5 | 10 | 13.25 | 3.55 | 1.12 | 10 | 17.45 | 6.11 | 1.93 | 10 | 16.69 | 6.04 | 1.91 |
| | 6 | 10 | 6.69 | 2.13 | 0.67 | 10 | 10.38 | 3.06 | 0.97 | 10 | 6.37 | 2.23 | 0.71 |
| | 7 | 10 | 11.88 | 3.01 | 0.95 | 10 | 21.50 | 9.24 | 2.92 | 10 | 17.44 | 9.60 | 3.04 |
| | 8 | 10 | 0.06 | 0.11 | 0.03 | 10 | 0.15 | 0.32 | 0.10 | 10 | 0.16 | 0.30 | 0.10 |
| | 9 | 10 | 142.36 | 43.78 | 13.84 | 10 | 128.69 | 38.03 | 12.02 | 10 | 115.95 | 49.80 | 15.75 |
| 600-Minute | 1 | 10 | 49.77 | 16.66 | 5.27 | 10 | 51.13 | 43.93 | 13.89 | 10 | 43.64 | 25.78 | 8.15 |
| | 2 | 10 | 21.90 | 6.47 | 2.05 | 10 | 19.77 | 12.10 | 3.83 | 10 | 17.72 | 9.17 | 2.90 |
| | 3 | 10 | 16.21 | 6.80 | 2.15 | 10 | 11.73 | 4.51 | 1.43 | 10 | 9.78 | 3.03 | 0.96 |
| | 4 | 10 | 10.64 | 4.59 | 1.45 | 10 | 7.77 | 3.43 | 1.08 | 10 | 9.49 | 3.52 | 1.11 |
| | 5 | 10 | 11.57 | 3.88 | 1.23 | 10 | 11.50 | 4.59 | 1.45 | 10 | 14.18 | 4.48 | 1.42 |
| | 6 | 10 | 6.43 | 2.69 | 0.85 | 10 | 8.26 | 4.92 | 1.56 | 10 | 7.47 | 2.97 | 0.94 |
| | 7 | 10 | 13.65 | 7.28 | 2.30 | 10 | 19.93 | 12.79 | 4.04 | 10 | 18.10 | 6.89 | 2.18 |
| | 8 | 10 | 0.07 | 0.18 | 0.06 | 10 | 0.16 | 0.25 | 0.08 | 10 | 0.18 | 0.28 | 0.09 |
| | 9 | 10 | 110.09 | 22.59 | 7.14 | 10 | 101.91 | 46.96 | 14.85 | 10 | 94.81 | 36.50 | 11.54 |
| | | | | | | | | | | | 3 | 47.28 | 7.06 |
| | | | | | | | | | | | 3 | 24.49 | 3.79 |
| | | | | | | | | | | | 3 | 22.57 | 4.31 |
| | | | | | | | | | | | 3 | 24.26 | 9.67 |
| | | | | | | | | | | | 3 | 15.80 | 2.24 |
| | | | | | | | | | | | 3 | 7.81 | 2.23 |
| | | | | | | | | | | | 3 | 16.94 | 4.83 |
| | | | | | | | | | | | 3 | 0.12 | 0.06 |
| | | | | | | | | | | | 3 | 129.00 | 13.21 |
| | | | | | | | | | | | 3 | 48.18 | 3.99 |
| | | | | | | | | | | | 3 | 19.80 | 2.09 |
| | | | | | | | | | | | 3 | 12.58 | 3.29 |
| | | | | | | | | | | | 3 | 9.30 | 1.45 |
| | | | | | | | | | | | 3 | 12.42 | 1.52 |
| | | | | | | | | | | | 3 | 7.38 | 0.91 |
| | | | | | | | | | | | 3 | 17.23 | 3.23 |
| | | | | | | | | | | | 3 | 0.14 | 0.06 |
| | | | | | | | | | | | 3 | 102.27 | 7.65 |
| | | | | | | | | | | | 3 | 4.08 | 4.08 |
| | | | | | | | | | | | 3 | 2.19 | 2.19 |
| | | | | | | | | | | | 3 | 2.49 | 2.49 |
| | | | | | | | | | | | 3 | 5.58 | 5.58 |
| | | | | | | | | | | | 3 | 1.29 | 1.29 |
| | | | | | | | | | | | 3 | 1.29 | 1.29 |
| | | | | | | | | | | | 3 | 2.79 | 2.79 |
| | | | | | | | | | | | 3 | 0.03 | 0.03 |
| | | | | | | | | | | | 3 | 7.62 | 7.62 |

| Blood Draw | Freq. Band | Windows 1-10 | | | | Windows 11-20 | | | | Windows 21-30 | | | | Grand Mean | | | |
|------------|------------|--------------|--------|-------|-------|---------------|--------|-------|-------|---------------|--------|--------|-------|------------|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 81.23 | 30.93 | 9.78 | 10 | 82.51 | 38.43 | 12.15 | 10 | 75.02 | 43.56 | 13.77 | 3 | 79.59 | 4.01 | 2.31 |
| | 2 | 10 | 42.42 | 28.43 | 8.99 | 10 | 34.42 | 14.54 | 4.60 | 10 | 40.25 | 13.51 | 4.27 | 3 | 39.03 | 4.14 | 2.39 |
| | 3 | 10 | 49.60 | 19.79 | 6.26 | 10 | 40.54 | 15.17 | 4.80 | 10 | 40.32 | 7.88 | 2.49 | 3 | 43.48 | 5.30 | 3.06 |
| | 4 | 10 | 70.77 | 79.26 | 25.06 | 10 | 41.46 | 11.14 | 3.52 | 10 | 28.65 | 13.66 | 4.32 | 3 | 46.96 | 21.59 | 12.46 |
| | 5 | 10 | 41.69 | 6.78 | 2.14 | 10 | 47.99 | 14.36 | 4.54 | 10 | 29.63 | 7.69 | 2.43 | 3 | 39.77 | 9.33 | 5.39 |
| | 6 | 10 | 29.48 | 10.42 | 3.30 | 10 | 34.84 | 9.16 | 2.90 | 10 | 17.58 | 10.89 | 3.44 | 3 | 27.30 | 8.84 | 5.10 |
| | 7 | 10 | 40.93 | 11.06 | 3.50 | 10 | 69.29 | 23.90 | 7.56 | 10 | 42.08 | 28.10 | 8.88 | 3 | 50.77 | 16.06 | 9.27 |
| | 8 | 10 | 0.33 | 0.15 | 0.05 | 10 | 0.71 | 0.39 | 0.12 | 10 | 0.48 | 0.43 | 0.14 | 3 | 0.51 | 0.19 | 0.11 |
| | 9 | 10 | 261.37 | 90.80 | 28.71 | 10 | 246.92 | 56.03 | 17.72 | 10 | 213.87 | 68.23 | 21.58 | 3 | 240.72 | 24.35 | 14.06 |
| 600-Minute | 1 | 10 | 124.57 | 78.14 | 24.71 | 10 | 90.53 | 42.62 | 13.48 | 10 | 112.20 | 81.60 | 25.81 | 3 | 109.10 | 17.23 | 9.95 |
| | 2 | 10 | 55.35 | 10.99 | 3.47 | 10 | 45.79 | 13.04 | 4.12 | 10 | 48.87 | 25.02 | 7.91 | 3 | 50.00 | 4.88 | 2.82 |
| | 3 | 10 | 33.98 | 18.56 | 5.87 | 10 | 33.42 | 14.67 | 4.64 | 10 | 35.51 | 9.31 | 2.95 | 3 | 34.30 | 1.08 | 0.62 |
| | 4 | 10 | 30.31 | 13.67 | 4.32 | 10 | 30.24 | 10.16 | 3.21 | 10 | 37.57 | 21.77 | 6.89 | 3 | 32.71 | 4.21 | 2.43 |
| | 5 | 10 | 50.81 | 24.09 | 7.62 | 10 | 48.61 | 17.87 | 5.65 | 10 | 56.49 | 21.59 | 6.83 | 3 | 51.97 | 4.07 | 2.35 |
| | 6 | 10 | 24.94 | 24.75 | 7.83 | 10 | 39.47 | 26.58 | 8.41 | 10 | 36.35 | 23.27 | 7.36 | 3 | 33.59 | 7.65 | 4.42 |
| | 7 | 10 | 68.77 | 26.32 | 8.32 | 10 | 106.21 | 54.04 | 17.09 | 10 | 92.76 | 38.87 | 12.29 | 3 | 89.25 | 18.96 | 10.95 |
| | 8 | 10 | 0.84 | 0.63 | 0.20 | 10 | 1.91 | 1.37 | 0.43 | 10 | 0.99 | 0.86 | 0.27 | 3 | 1.25 | 0.58 | 0.33 |
| | 9 | 10 | 295.01 | 92.69 | 29.31 | 10 | 248.59 | 52.94 | 16.74 | 10 | 290.64 | 114.56 | 36.23 | 3 | 278.08 | 25.63 | 14.80 |

PARAMETER = Total Power
CHANNEL = 4

Animal D275

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 16.89 | 16.07 | 5.08 | 10 | 14.41 | 5.26 | 1.66 | 10 | 16.34 | 14.48 | 4.58 |
| | 2 | 10 | 13.40 | 8.97 | 2.84 | 10 | 12.48 | 3.42 | 1.08 | 10 | 12.73 | 5.42 | 1.71 |
| | 3 | 10 | 19.72 | 4.92 | 1.55 | 10 | 15.50 | 6.69 | 2.12 | 10 | 15.83 | 5.79 | 1.83 |
| | 4 | 10 | 22.74 | 11.23 | 3.55 | 10 | 20.90 | 5.15 | 1.63 | 10 | 21.75 | 7.12 | 2.25 |
| | 5 | 10 | 27.25 | 9.13 | 2.89 | 10 | 36.71 | 8.56 | 2.71 | 10 | 33.34 | 10.85 | 3.43 |
| 30-Minute | 1 | 10 | 17.57 | 8.89 | 2.81 | 10 | 19.93 | 7.98 | 2.52 | 10 | 21.92 | 10.59 | 3.35 |
| | 2 | 10 | 12.61 | 4.11 | 1.30 | 10 | 15.08 | 5.06 | 1.60 | 10 | 13.08 | 5.12 | 1.62 |
| | 3 | 10 | 18.96 | 6.54 | 2.07 | 10 | 16.87 | 4.25 | 1.34 | 10 | 18.24 | 5.95 | 1.88 |
| | 4 | 10 | 21.51 | 6.46 | 2.04 | 10 | 21.02 | 7.32 | 2.31 | 10 | 15.06 | 5.36 | 1.69 |
| | 5 | 10 | 29.35 | 4.99 | 1.58 | 10 | 27.10 | 12.61 | 3.99 | 10 | 31.70 | 6.85 | 2.17 |
| 90-Minute | 1 | 10 | 21.39 | 13.26 | 4.19 | 10 | 14.61 | 5.37 | 1.70 | 10 | 30.08 | 11.00 | 3.48 |
| | 2 | 10 | 11.00 | 2.91 | 0.92 | 10 | 11.49 | 5.09 | 1.61 | 10 | 12.54 | 3.46 | 1.09 |
| | 3 | 10 | 16.17 | 6.60 | 2.09 | 10 | 18.52 | 6.44 | 2.04 | 10 | 16.07 | 3.38 | 1.07 |
| | 4 | 10 | 19.86 | 7.04 | 2.23 | 10 | 23.45 | 5.57 | 1.76 | 10 | 17.71 | 6.48 | 2.05 |
| | 5 | 10 | 31.57 | 10.97 | 3.47 | 10 | 31.93 | 9.44 | 2.98 | 10 | 23.61 | 8.31 | 2.63 |
| 300-Minute | 1 | 10 | 20.53 | 8.73 | 2.76 | 10 | 15.23 | 4.59 | 1.45 | 10 | 16.45 | 4.99 | 1.58 |
| | 2 | 10 | 13.05 | 6.69 | 2.12 | 10 | 12.83 | 4.69 | 1.48 | 10 | 10.26 | 3.42 | 1.08 |
| | 3 | 10 | 19.26 | 7.31 | 2.31 | 10 | 17.21 | 4.76 | 1.51 | 10 | 18.84 | 6.51 | 2.06 |
| | 4 | 10 | 18.16 | 5.56 | 1.76 | 10 | 26.43 | 5.88 | 1.86 | 10 | 24.33 | 7.66 | 2.42 |
| | 5 | 10 | 29.00 | 10.03 | 3.17 | 10 | 28.30 | 4.74 | 1.50 | 10 | 30.11 | 5.97 | 1.89 |
| 600-Minute | 1 | 10 | 25.02 | 16.33 | 5.16 | 10 | 15.81 | 5.02 | 1.59 | 10 | 38.72 | 13.65 | 4.32 |
| | 2 | 10 | 15.82 | 5.11 | 1.62 | 10 | 13.01 | 4.23 | 1.34 | 10 | 14.51 | 7.46 | 2.36 |
| | 3 | 10 | 16.79 | 6.66 | 2.11 | 10 | 17.72 | 4.75 | 1.50 | 10 | 17.66 | 7.28 | 2.30 |
| | 4 | 10 | 17.09 | 6.45 | 2.04 | 10 | 23.61 | 8.05 | 2.54 | 10 | 13.40 | 4.37 | 1.38 |
| | 5 | 10 | 25.28 | 12.53 | 3.96 | 10 | 29.85 | 5.41 | 1.71 | 10 | 15.70 | 9.92 | 3.14 |
| | 1 | 10 | 15.88 | 1.30 | 0.75 | 3 | 15.88 | 1.30 | 0.75 | 3 | 15.88 | 1.30 | 0.75 |
| | 2 | 10 | 12.87 | 0.48 | 0.27 | 3 | 12.87 | 0.48 | 0.27 | 3 | 12.87 | 0.48 | 0.27 |
| | 3 | 10 | 17.02 | 2.34 | 1.35 | 3 | 17.02 | 2.34 | 1.35 | 3 | 17.02 | 2.34 | 1.35 |
| | 4 | 10 | 21.80 | 0.92 | 0.53 | 3 | 21.80 | 0.92 | 0.53 | 3 | 21.80 | 0.92 | 0.53 |
| | 5 | 10 | 32.44 | 4.79 | 2.77 | 3 | 32.44 | 4.79 | 2.77 | 3 | 32.44 | 4.79 | 2.77 |
| | 1 | 10 | 19.81 | 2.18 | 1.26 | 3 | 19.81 | 2.18 | 1.26 | 3 | 19.81 | 2.18 | 1.26 |
| | 2 | 10 | 13.59 | 1.31 | 0.76 | 3 | 13.59 | 1.31 | 0.76 | 3 | 13.59 | 1.31 | 0.76 |
| | 3 | 10 | 18.02 | 1.06 | 0.61 | 3 | 18.02 | 1.06 | 0.61 | 3 | 18.02 | 1.06 | 0.61 |
| | 4 | 10 | 19.20 | 3.59 | 2.07 | 3 | 19.20 | 3.59 | 2.07 | 3 | 19.20 | 3.59 | 2.07 |
| | 5 | 10 | 29.38 | 2.30 | 1.33 | 3 | 29.38 | 2.30 | 1.33 | 3 | 29.38 | 2.30 | 1.33 |
| | 1 | 10 | 22.03 | 7.76 | 4.48 | 3 | 22.03 | 7.76 | 4.48 | 3 | 22.03 | 7.76 | 4.48 |
| | 2 | 10 | 11.68 | 0.79 | 0.45 | 3 | 11.68 | 0.79 | 0.45 | 3 | 11.68 | 0.79 | 0.45 |
| | 3 | 10 | 16.92 | 1.39 | 0.80 | 3 | 16.92 | 1.39 | 0.80 | 3 | 16.92 | 1.39 | 0.80 |
| | 4 | 10 | 20.34 | 2.90 | 1.68 | 3 | 20.34 | 2.90 | 1.68 | 3 | 20.34 | 2.90 | 1.68 |
| | 5 | 10 | 29.04 | 4.71 | 2.72 | 3 | 29.04 | 4.71 | 2.72 | 3 | 29.04 | 4.71 | 2.72 |
| | 1 | 10 | 17.41 | 2.77 | 1.60 | 3 | 17.41 | 2.77 | 1.60 | 3 | 17.41 | 2.77 | 1.60 |
| | 2 | 10 | 12.05 | 1.55 | 0.89 | 3 | 12.05 | 1.55 | 0.89 | 3 | 12.05 | 1.55 | 0.89 |
| | 3 | 10 | 18.44 | 1.08 | 0.62 | 3 | 18.44 | 1.08 | 0.62 | 3 | 18.44 | 1.08 | 0.62 |
| | 4 | 10 | 22.97 | 4.30 | 2.48 | 3 | 22.97 | 4.30 | 2.48 | 3 | 22.97 | 4.30 | 2.48 |
| | 5 | 10 | 29.14 | 0.91 | 0.53 | 3 | 29.14 | 0.91 | 0.53 | 3 | 29.14 | 0.91 | 0.53 |
| | 1 | 10 | 26.52 | 11.53 | 6.66 | 3 | 26.52 | 11.53 | 6.66 | 3 | 26.52 | 11.53 | 6.66 |
| | 2 | 10 | 14.45 | 1.41 | 0.81 | 3 | 14.45 | 1.41 | 0.81 | 3 | 14.45 | 1.41 | 0.81 |
| | 3 | 10 | 17.39 | 0.52 | 0.30 | 3 | 17.39 | 0.52 | 0.30 | 3 | 17.39 | 0.52 | 0.30 |
| | 4 | 10 | 18.03 | 5.17 | 2.98 | 3 | 18.03 | 5.17 | 2.98 | 3 | 18.03 | 5.17 | 2.98 |
| | 5 | 10 | 23.61 | 7.22 | 4.17 | 3 | 23.61 | 7.22 | 4.17 | 3 | 23.61 | 7.22 | 4.17 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | | | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | | | | |
| Baseline | 1 | 10 | 20.76 | 9.08 | 2.87 | 10 | 17.07 | 5.15 | 1.63 | 10 | 17.91 | 9.88 | 3.12 | 3 | 18.58 | 1.93 | 1.12 |
| | 2 | 10 | 18.08 | 7.31 | 2.31 | 10 | 15.69 | 3.88 | 1.23 | 10 | 15.24 | 3.49 | 1.10 | 3 | 16.34 | 1.53 | 0.88 |
| | 3 | 10 | 22.58 | 8.50 | 2.69 | 10 | 26.52 | 3.63 | 1.15 | 10 | 23.22 | 7.55 | 2.39 | 3 | 24.11 | 2.12 | 1.22 |
| | 4 | 10 | 21.40 | 7.50 | 2.37 | 10 | 18.63 | 8.50 | 2.69 | 10 | 19.99 | 5.51 | 1.74 | 3 | 20.01 | 1.39 | 0.80 |
| | 5 | 10 | 17.18 | 4.54 | 1.43 | 10 | 22.09 | 3.51 | 1.11 | 10 | 23.64 | 11.74 | 3.71 | 3 | 20.97 | 3.37 | 1.95 |
| 30-Minute | 1 | 10 | 22.69 | 10.56 | 3.34 | 10 | 21.32 | 7.77 | 2.46 | 10 | 21.90 | 6.74 | 2.13 | 3 | 21.97 | 0.69 | 0.40 |
| | 2 | 10 | 16.56 | 3.69 | 1.17 | 10 | 14.43 | 7.41 | 2.34 | 10 | 14.41 | 5.45 | 1.72 | 3 | 15.13 | 1.23 | 0.71 |
| | 3 | 10 | 23.08 | 9.16 | 2.90 | 10 | 22.65 | 7.05 | 2.23 | 10 | 20.90 | 4.16 | 1.31 | 3 | 22.21 | 1.16 | 0.67 |
| | 4 | 10 | 18.01 | 6.63 | 2.10 | 10 | 21.61 | 5.15 | 1.63 | 10 | 18.97 | 4.37 | 1.38 | 3 | 19.53 | 1.86 | 1.08 |
| | 5 | 10 | 19.66 | 4.22 | 1.34 | 10 | 19.98 | 10.69 | 3.38 | 10 | 23.83 | 6.20 | 1.96 | 3 | 21.16 | 2.32 | 1.34 |
| 90-Minute | 1 | 10 | 20.73 | 7.45 | 2.35 | 10 | 17.77 | 6.22 | 1.97 | 10 | 25.12 | 7.65 | 2.42 | 3 | 21.21 | 3.70 | 2.13 |
| | 2 | 10 | 13.96 | 5.03 | 1.59 | 10 | 14.31 | 4.08 | 1.29 | 10 | 13.83 | 4.04 | 1.28 | 3 | 14.03 | 0.25 | 0.15 |
| | 3 | 10 | 25.01 | 7.07 | 2.23 | 10 | 25.00 | 7.03 | 2.22 | 10 | 24.12 | 7.95 | 2.51 | 3 | 24.71 | 0.51 | 0.29 |
| | 4 | 10 | 18.11 | 3.04 | 0.96 | 10 | 20.56 | 5.39 | 1.70 | 10 | 17.14 | 6.34 | 2.01 | 3 | 18.60 | 1.76 | 1.02 |
| | 5 | 10 | 22.18 | 9.37 | 2.96 | 10 | 22.36 | 6.93 | 2.19 | 10 | 19.79 | 6.99 | 2.21 | 3 | 21.45 | 1.43 | 0.83 |
| 300-Minute | 1 | 10 | 29.77 | 12.33 | 3.90 | 10 | 17.58 | 7.38 | 2.33 | 10 | 17.86 | 6.84 | 2.16 | 3 | 21.74 | 6.96 | 4.02 |
| | 2 | 10 | 15.12 | 8.32 | 2.63 | 10 | 14.49 | 4.38 | 1.38 | 10 | 13.27 | 4.26 | 1.35 | 3 | 14.29 | 0.94 | 0.54 |
| | 3 | 10 | 19.09 | 4.04 | 1.28 | 10 | 20.55 | 3.20 | 1.01 | 10 | 24.47 | 7.64 | 2.42 | 3 | 21.37 | 2.78 | 1.61 |
| | 4 | 10 | 16.35 | 8.34 | 2.64 | 10 | 18.06 | 7.54 | 2.38 | 10 | 20.87 | 5.30 | 1.68 | 3 | 18.43 | 2.28 | 1.32 |
| | 5 | 10 | 19.67 | 7.01 | 2.22 | 10 | 29.32 | 9.35 | 2.96 | 10 | 23.52 | 8.76 | 2.77 | 3 | 24.17 | 4.86 | 2.80 |
| 600-Minute | 1 | 10 | 24.73 | 17.35 | 5.49 | 10 | 17.19 | 6.82 | 2.16 | 10 | 31.11 | 11.89 | 3.76 | 3 | 24.34 | 6.97 | 4.02 |
| | 2 | 10 | 18.47 | 7.34 | 2.32 | 10 | 14.84 | 4.25 | 1.34 | 10 | 18.27 | 7.77 | 2.46 | 3 | 17.19 | 2.04 | 1.18 |
| | 3 | 10 | 17.20 | 5.03 | 1.59 | 10 | 21.16 | 5.29 | 1.67 | 10 | 20.35 | 6.03 | 1.91 | 3 | 19.57 | 2.09 | 1.21 |
| | 4 | 10 | 17.95 | 9.78 | 3.09 | 10 | 17.62 | 3.55 | 1.12 | 10 | 17.07 | 11.73 | 3.71 | 3 | 17.55 | 0.44 | 0.26 |
| | 5 | 10 | 21.66 | 12.71 | 4.02 | 10 | 29.19 | 4.18 | 1.32 | 10 | 13.20 | 5.93 | 1.87 | 3 | 21.35 | 8.00 | 4.62 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 29.20 | 11.24 | 3.55 | 10 | 20.05 | 10.35 | 3.27 | 10 | 21.63 | 12.31 | 3.89 |
| | 2 | 10 | 16.70 | 5.25 | 1.66 | 10 | 19.10 | 8.57 | 2.71 | 10 | 18.40 | 8.55 | 2.70 |
| | 3 | 10 | 21.92 | 6.38 | 2.02 | 10 | 21.50 | 5.53 | 1.75 | 10 | 20.60 | 9.50 | 3.00 |
| | 4 | 10 | 14.65 | 4.62 | 1.46 | 10 | 16.22 | 7.01 | 2.22 | 10 | 14.75 | 5.80 | 1.83 |
| | 5 | 10 | 17.53 | 7.89 | 2.49 | 10 | 23.14 | 7.59 | 2.40 | 10 | 24.62 | 9.85 | 3.12 |
| 30-Minute | 1 | 10 | 31.52 | 12.71 | 4.02 | 10 | 31.16 | 10.77 | 3.41 | 10 | 31.50 | 15.92 | 5.03 |
| | 2 | 10 | 15.60 | 4.26 | 1.35 | 10 | 16.88 | 8.82 | 2.79 | 10 | 19.53 | 10.15 | 3.21 |
| | 3 | 10 | 16.84 | 7.78 | 2.46 | 10 | 16.37 | 4.96 | 1.57 | 10 | 15.10 | 4.51 | 1.43 |
| | 4 | 10 | 13.02 | 4.80 | 1.52 | 10 | 15.20 | 6.39 | 2.02 | 10 | 11.66 | 4.97 | 1.57 |
| | 5 | 10 | 23.02 | 7.96 | 2.52 | 10 | 20.39 | 10.12 | 3.20 | 10 | 22.21 | 9.38 | 2.97 |
| 90-Minute | 1 | 10 | 29.25 | 9.98 | 3.16 | 10 | 24.34 | 12.97 | 4.10 | 10 | 33.90 | 11.84 | 3.74 |
| | 2 | 10 | 18.01 | 5.12 | 1.62 | 10 | 17.54 | 7.74 | 2.45 | 10 | 17.58 | 5.72 | 1.81 |
| | 3 | 10 | 19.32 | 8.02 | 2.54 | 10 | 17.31 | 5.69 | 1.80 | 10 | 18.82 | 9.33 | 2.95 |
| | 4 | 10 | 10.88 | 5.64 | 1.78 | 10 | 15.38 | 3.99 | 1.26 | 10 | 12.90 | 3.60 | 1.14 |
| | 5 | 10 | 22.54 | 6.66 | 2.11 | 10 | 25.43 | 7.63 | 2.41 | 10 | 16.80 | 6.66 | 2.10 |
| 300-Minute | 1 | 10 | 24.04 | 11.74 | 3.71 | 10 | 25.67 | 8.03 | 2.54 | 10 | 24.32 | 8.78 | 2.78 |
| | 2 | 10 | 15.56 | 4.26 | 1.35 | 10 | 16.39 | 5.94 | 1.88 | 10 | 15.48 | 6.37 | 2.01 |
| | 3 | 10 | 20.28 | 6.38 | 2.02 | 10 | 21.56 | 5.39 | 1.70 | 10 | 19.67 | 9.01 | 2.85 |
| | 4 | 10 | 16.61 | 4.60 | 1.45 | 10 | 16.03 | 5.41 | 1.71 | 10 | 17.44 | 9.19 | 2.90 |
| | 5 | 10 | 23.51 | 7.40 | 2.34 | 10 | 20.35 | 5.57 | 1.76 | 10 | 23.10 | 4.65 | 1.47 |
| 600-Minute | 1 | 10 | 34.00 | 9.33 | 2.95 | 10 | 25.52 | 8.31 | 2.63 | 10 | 35.52 | 10.14 | 3.21 |
| | 2 | 10 | 12.74 | 4.64 | 1.47 | 10 | 10.54 | 2.66 | 0.84 | 10 | 20.58 | 8.73 | 2.76 |
| | 3 | 10 | 16.76 | 6.84 | 2.16 | 10 | 18.35 | 5.77 | 1.82 | 10 | 18.14 | 7.72 | 2.44 |
| | 4 | 10 | 12.18 | 4.40 | 1.39 | 10 | 16.09 | 2.89 | 0.91 | 10 | 12.80 | 5.98 | 1.89 |
| | 5 | 10 | 24.31 | 7.03 | 2.22 | 10 | 29.50 | 8.77 | 2.77 | 10 | 12.95 | 4.76 | 1.51 |
| | 1 | 10 | 31.39 | 0.20 | 0.11 | 10 | 31.39 | 0.20 | 0.11 | 10 | 31.39 | 0.20 | 0.11 |
| | 2 | 10 | 17.34 | 2.01 | 1.16 | 10 | 17.34 | 2.01 | 1.16 | 10 | 17.34 | 2.01 | 1.16 |
| | 3 | 10 | 16.10 | 0.90 | 0.52 | 10 | 16.10 | 0.90 | 0.52 | 10 | 16.10 | 0.90 | 0.52 |
| | 4 | 10 | 13.30 | 1.79 | 1.03 | 10 | 13.30 | 1.79 | 1.03 | 10 | 13.30 | 1.79 | 1.03 |
| | 5 | 10 | 21.87 | 1.35 | 0.78 | 10 | 21.87 | 1.35 | 0.78 | 10 | 21.87 | 1.35 | 0.78 |
| | 1 | 10 | 29.16 | 4.78 | 2.76 | 10 | 29.16 | 4.78 | 2.76 | 10 | 29.16 | 4.78 | 2.76 |
| | 2 | 10 | 17.71 | 0.26 | 0.15 | 10 | 17.71 | 0.26 | 0.15 | 10 | 17.71 | 0.26 | 0.15 |
| | 3 | 10 | 18.48 | 1.05 | 0.61 | 10 | 18.48 | 1.05 | 0.61 | 10 | 18.48 | 1.05 | 0.61 |
| | 4 | 10 | 13.05 | 2.25 | 1.30 | 10 | 13.05 | 2.25 | 1.30 | 10 | 13.05 | 2.25 | 1.30 |
| | 5 | 10 | 21.59 | 4.39 | 2.54 | 10 | 21.59 | 4.39 | 2.54 | 10 | 21.59 | 4.39 | 2.54 |
| | 1 | 10 | 24.68 | 0.88 | 0.51 | 10 | 24.68 | 0.88 | 0.51 | 10 | 24.68 | 0.88 | 0.51 |
| | 2 | 10 | 15.81 | 0.50 | 0.29 | 10 | 15.81 | 0.50 | 0.29 | 10 | 15.81 | 0.50 | 0.29 |
| | 3 | 10 | 20.50 | 0.97 | 0.56 | 10 | 20.50 | 0.97 | 0.56 | 10 | 20.50 | 0.97 | 0.56 |
| | 4 | 10 | 16.69 | 0.71 | 0.41 | 10 | 16.69 | 0.71 | 0.41 | 10 | 16.69 | 0.71 | 0.41 |
| | 5 | 10 | 22.32 | 1.72 | 0.99 | 10 | 22.32 | 1.72 | 0.99 | 10 | 22.32 | 1.72 | 0.99 |
| | 1 | 10 | 31.68 | 5.39 | 3.11 | 10 | 31.68 | 5.39 | 3.11 | 10 | 31.68 | 5.39 | 3.11 |
| | 2 | 10 | 14.62 | 5.28 | 3.05 | 10 | 14.62 | 5.28 | 3.05 | 10 | 14.62 | 5.28 | 3.05 |
| | 3 | 10 | 17.75 | 0.86 | 0.50 | 10 | 17.75 | 0.86 | 0.50 | 10 | 17.75 | 0.86 | 0.50 |
| | 4 | 10 | 13.69 | 2.10 | 1.21 | 10 | 13.69 | 2.10 | 1.21 | 10 | 13.69 | 2.10 | 1.21 |
| | 5 | 10 | 22.25 | 8.46 | 4.88 | 10 | 22.25 | 8.46 | 4.88 | 10 | 22.25 | 8.46 | 4.88 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 32.20 | 14.31 | 4.52 | 10 | 19.78 | 8.69 | 2.75 | 10 | 26.95 | 14.55 | 4.60 |
| | 2 | 10 | 18.10 | 4.25 | 1.34 | 10 | 21.50 | 8.21 | 2.60 | 10 | 20.06 | 8.03 | 2.54 |
| | 3 | 10 | 19.84 | 5.78 | 1.83 | 10 | 20.00 | 4.89 | 1.55 | 10 | 17.70 | 7.28 | 2.30 |
| | 4 | 10 | 13.31 | 5.61 | 1.77 | 10 | 14.40 | 5.17 | 1.64 | 10 | 15.02 | 7.66 | 2.42 |
| | 5 | 10 | 16.55 | 7.68 | 2.43 | 10 | 24.32 | 10.59 | 3.35 | 10 | 20.27 | 11.00 | 3.48 |
| 30-Minute | 1 | 10 | 30.65 | 11.16 | 3.53 | 10 | 35.14 | 8.82 | 2.79 | 10 | 32.14 | 12.46 | 3.94 |
| | 2 | 10 | 18.73 | 4.42 | 1.40 | 10 | 20.39 | 10.03 | 3.17 | 10 | 17.74 | 10.08 | 3.19 |
| | 3 | 10 | 19.02 | 5.21 | 1.65 | 10 | 14.41 | 5.36 | 1.69 | 10 | 16.18 | 4.73 | 1.50 |
| | 4 | 10 | 17.17 | 6.79 | 2.15 | 10 | 12.81 | 4.22 | 1.34 | 10 | 12.76 | 5.87 | 1.86 |
| | 5 | 10 | 14.44 | 5.08 | 1.60 | 10 | 17.25 | 8.91 | 2.82 | 10 | 21.19 | 9.87 | 3.12 |
| 90-Minute | 1 | 10 | 35.61 | 10.22 | 3.23 | 10 | 26.52 | 11.29 | 3.57 | 10 | 36.96 | 12.46 | 3.94 |
| | 2 | 10 | 16.52 | 4.79 | 1.52 | 10 | 16.88 | 7.18 | 2.27 | 10 | 18.15 | 5.50 | 1.74 |
| | 3 | 10 | 21.54 | 7.90 | 2.50 | 10 | 19.03 | 6.21 | 1.96 | 10 | 18.84 | 9.49 | 3.00 |
| | 4 | 10 | 11.69 | 3.60 | 1.14 | 10 | 14.77 | 5.09 | 1.61 | 10 | 10.84 | 3.68 | 1.16 |
| | 5 | 10 | 14.64 | 5.83 | 1.84 | 10 | 22.79 | 8.53 | 2.70 | 10 | 15.21 | 9.50 | 3.01 |
| 300-Minute | 1 | 10 | 25.43 | 9.72 | 3.07 | 10 | 21.84 | 8.19 | 2.59 | 10 | 29.15 | 12.15 | 3.84 |
| | 2 | 10 | 16.89 | 3.60 | 1.14 | 10 | 16.09 | 4.39 | 1.39 | 10 | 16.60 | 4.39 | 1.39 |
| | 3 | 10 | 18.17 | 5.63 | 1.78 | 10 | 20.46 | 7.46 | 2.36 | 10 | 19.15 | 8.17 | 2.58 |
| | 4 | 10 | 15.43 | 4.47 | 1.41 | 10 | 16.27 | 5.34 | 1.69 | 10 | 10.14 | 2.71 | 0.86 |
| | 5 | 10 | 24.09 | 7.67 | 2.42 | 10 | 25.35 | 8.74 | 2.77 | 10 | 24.95 | 10.86 | 3.43 |
| 600-Minute | 1 | 10 | 25.24 | 7.84 | 2.48 | 10 | 24.09 | 8.25 | 2.61 | 10 | 33.68 | 10.83 | 3.42 |
| | 2 | 10 | 15.54 | 5.38 | 1.70 | 10 | 13.26 | 5.37 | 1.70 | 10 | 17.16 | 6.97 | 2.20 |
| | 3 | 10 | 20.17 | 10.28 | 3.25 | 10 | 17.74 | 4.80 | 1.52 | 10 | 18.34 | 7.56 | 2.39 |
| | 4 | 10 | 15.12 | 5.11 | 1.62 | 10 | 18.73 | 5.07 | 1.60 | 10 | 14.44 | 5.25 | 1.66 |
| | 5 | 10 | 23.92 | 7.25 | 2.29 | 10 | 26.19 | 10.05 | 3.18 | 10 | 16.37 | 7.23 | 2.29 |
| | 1 | 10 | 26.31 | 6.24 | 3.60 | 10 | 26.31 | 6.24 | 3.60 | 10 | 26.31 | 6.24 | 3.60 |
| | 2 | 10 | 19.89 | 1.71 | 0.98 | 10 | 19.89 | 1.71 | 0.98 | 10 | 19.89 | 1.71 | 0.98 |
| | 3 | 10 | 19.18 | 1.29 | 0.74 | 10 | 19.18 | 1.29 | 0.74 | 10 | 19.18 | 1.29 | 0.74 |
| | 4 | 10 | 14.24 | 0.87 | 0.50 | 10 | 14.24 | 0.87 | 0.50 | 10 | 14.24 | 0.87 | 0.50 |
| | 5 | 10 | 20.38 | 3.89 | 2.24 | 10 | 20.38 | 3.89 | 2.24 | 10 | 20.38 | 3.89 | 2.24 |
| | 1 | 10 | 32.64 | 2.28 | 1.32 | 10 | 32.64 | 2.28 | 1.32 | 10 | 32.64 | 2.28 | 1.32 |
| | 2 | 10 | 18.95 | 1.34 | 0.78 | 10 | 18.95 | 1.34 | 0.78 | 10 | 18.95 | 1.34 | 0.78 |
| | 3 | 10 | 16.54 | 2.32 | 1.34 | 10 | 16.54 | 2.32 | 1.34 | 10 | 16.54 | 2.32 | 1.34 |
| | 4 | 10 | 14.24 | 2.53 | 1.46 | 10 | 14.24 | 2.53 | 1.46 | 10 | 14.24 | 2.53 | 1.46 |
| | 5 | 10 | 17.63 | 3.39 | 1.96 | 10 | 17.63 | 3.39 | 1.96 | 10 | 17.63 | 3.39 | 1.96 |
| | 1 | 10 | 33.03 | 5.68 | 3.28 | 10 | 33.03 | 5.68 | 3.28 | 10 | 33.03 | 5.68 | 3.28 |
| | 2 | 10 | 17.19 | 0.85 | 0.49 | 10 | 17.19 | 0.85 | 0.49 | 10 | 17.19 | 0.85 | 0.49 |
| | 3 | 10 | 19.80 | 1.50 | 0.87 | 10 | 19.80 | 1.50 | 0.87 | 10 | 19.80 | 1.50 | 0.87 |
| | 4 | 10 | 12.43 | 2.07 | 1.19 | 10 | 12.43 | 2.07 | 1.19 | 10 | 12.43 | 2.07 | 1.19 |
| | 5 | 10 | 17.55 | 4.55 | 2.63 | 10 | 17.55 | 4.55 | 2.63 | 10 | 17.55 | 4.55 | 2.63 |
| | 1 | 10 | 25.47 | 3.65 | 2.11 | 10 | 25.47 | 3.65 | 2.11 | 10 | 25.47 | 3.65 | 2.11 |
| | 2 | 10 | 16.53 | 0.41 | 0.23 | 10 | 16.53 | 0.41 | 0.23 | 10 | 16.53 | 0.41 | 0.23 |
| | 3 | 10 | 19.26 | 1.15 | 0.66 | 10 | 19.26 | 1.15 | 0.66 | 10 | 19.26 | 1.15 | 0.66 |
| | 4 | 10 | 13.95 | 3.32 | 1.92 | 10 | 13.95 | 3.32 | 1.92 | 10 | 13.95 | 3.32 | 1.92 |
| | 5 | 10 | 24.80 | 0.64 | 0.37 | 10 | 24.80 | 0.64 | 0.37 | 10 | 24.80 | 0.64 | 0.37 |
| | 1 | 10 | 27.67 | 5.24 | 3.03 | 10 | 27.67 | 5.24 | 3.03 | 10 | 27.67 | 5.24 | 3.03 |
| | 2 | 10 | 15.32 | 1.96 | 1.13 | 10 | 15.32 | 1.96 | 1.13 | 10 | 15.32 | 1.96 | 1.13 |
| | 3 | 10 | 18.75 | 1.27 | 0.73 | 10 | 18.75 | 1.27 | 0.73 | 10 | 18.75 | 1.27 | 0.73 |
| | 4 | 10 | 16.10 | 2.30 | 1.33 | 10 | 16.10 | 2.30 | 1.33 | 10 | 16.10 | 2.30 | 1.33 |
| | 5 | 10 | 22.16 | 5.14 | 2.97 | 10 | 22.16 | 5.14 | 2.97 | 10 | 22.16 | 5.14 | 2.97 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | |
| Baseline | 1 | 10 | 2.30 | 0.30 | 0.10 | 10 | 2.18 | 0.26 | 0.08 | 10 | 2.15 | 0.21 | 0.07 | 0.05 |
| | 2 | 10 | 5.58 | 0.30 | 0.09 | 10 | 5.63 | 0.48 | 0.15 | 10 | 5.74 | 0.26 | 0.08 | 0.05 |
| | 3 | 10 | 10.45 | 0.31 | 0.10 | 10 | 10.46 | 0.43 | 0.13 | 10 | 10.54 | 0.36 | 0.11 | 0.03 |
| | 4 | 10 | 15.10 | 0.58 | 0.18 | 10 | 15.51 | 0.28 | 0.09 | 10 | 15.21 | 0.46 | 0.15 | 0.12 |
| | 5 | 10 | 21.29 | 0.55 | 0.17 | 10 | 21.37 | 0.45 | 0.14 | 10 | 21.02 | 0.49 | 0.16 | 0.10 |
| 30-Minute | 9 | 10 | 12.44 | 2.74 | 0.87 | 10 | 13.73 | 1.24 | 0.39 | 10 | 13.08 | 2.75 | 0.87 | 0.37 |
| | 1 | 10 | 2.20 | 0.24 | 0.08 | 10 | 2.04 | 0.12 | 0.04 | 10 | 2.16 | 0.27 | 0.09 | 0.05 |
| | 2 | 10 | 5.62 | 0.26 | 0.08 | 10 | 5.69 | 0.26 | 0.08 | 10 | 5.59 | 0.31 | 0.10 | 0.03 |
| | 3 | 10 | 10.31 | 0.24 | 0.08 | 10 | 10.49 | 0.46 | 0.14 | 10 | 10.27 | 0.32 | 0.10 | 0.07 |
| | 4 | 10 | 15.27 | 0.46 | 0.15 | 10 | 15.06 | 0.41 | 0.13 | 10 | 15.18 | 0.60 | 0.19 | 0.06 |
| 90-Minute | 5 | 10 | 21.07 | 0.38 | 0.12 | 10 | 21.37 | 0.42 | 0.13 | 10 | 21.19 | 0.52 | 0.17 | 0.09 |
| | 9 | 10 | 12.54 | 1.15 | 0.36 | 10 | 12.00 | 2.03 | 0.64 | 10 | 12.13 | 1.84 | 0.58 | 0.16 |
| | 1 | 10 | 2.01 | 0.22 | 0.07 | 10 | 2.04 | 0.34 | 0.11 | 10 | 1.99 | 0.28 | 0.09 | 0.01 |
| | 2 | 10 | 5.60 | 0.43 | 0.14 | 10 | 5.71 | 0.35 | 0.11 | 10 | 5.65 | 0.34 | 0.11 | 0.03 |
| | 3 | 10 | 10.48 | 0.48 | 0.15 | 10 | 10.31 | 0.34 | 0.11 | 10 | 10.22 | 0.33 | 0.10 | 0.08 |
| 300-Minute | 4 | 10 | 15.20 | 0.52 | 0.16 | 10 | 15.12 | 0.24 | 0.08 | 10 | 15.05 | 0.43 | 0.14 | 0.04 |
| | 5 | 10 | 21.11 | 0.49 | 0.15 | 10 | 21.34 | 0.34 | 0.11 | 10 | 20.97 | 0.50 | 0.16 | 0.11 |
| | 9 | 10 | 12.42 | 2.26 | 0.72 | 10 | 13.22 | 1.38 | 0.44 | 10 | 10.56 | 1.81 | 0.57 | 0.79 |
| | 1 | 10 | 1.86 | 0.16 | 0.05 | 10 | 2.00 | 0.22 | 0.07 | 10 | 2.02 | 0.25 | 0.08 | 0.05 |
| | 2 | 10 | 5.66 | 0.24 | 0.08 | 10 | 5.62 | 0.24 | 0.08 | 10 | 5.74 | 0.45 | 0.14 | 0.03 |
| 600-Minute | 3 | 10 | 10.24 | 0.55 | 0.17 | 10 | 10.19 | 0.34 | 0.11 | 10 | 10.71 | 0.52 | 0.17 | 0.17 |
| | 4 | 10 | 15.14 | 0.40 | 0.13 | 10 | 15.20 | 0.34 | 0.11 | 10 | 15.04 | 0.24 | 0.08 | 0.05 |
| | 5 | 10 | 21.24 | 0.29 | 0.09 | 10 | 21.19 | 0.60 | 0.19 | 10 | 21.22 | 0.56 | 0.18 | 0.02 |
| | 9 | 10 | 12.01 | 1.84 | 0.58 | 10 | 12.79 | 0.99 | 0.31 | 10 | 13.00 | 0.94 | 0.30 | 0.30 |
| | 1 | 10 | 1.90 | 0.16 | 0.05 | 10 | 1.92 | 0.33 | 0.10 | 10 | 1.82 | 0.25 | 0.08 | 0.03 |
| 600-Minute | 2 | 10 | 5.73 | 0.37 | 0.12 | 10 | 5.57 | 0.30 | 0.10 | 10 | 5.49 | 0.26 | 0.08 | 0.07 |
| | 3 | 10 | 10.39 | 0.41 | 0.13 | 10 | 10.38 | 0.36 | 0.11 | 10 | 10.37 | 0.29 | 0.09 | 0.01 |
| | 4 | 10 | 15.17 | 0.57 | 0.18 | 10 | 15.30 | 0.26 | 0.08 | 10 | 15.14 | 0.50 | 0.16 | 0.09 |
| | 5 | 10 | 21.12 | 0.41 | 0.13 | 10 | 21.27 | 0.49 | 0.15 | 10 | 21.09 | 0.41 | 0.13 | 0.05 |
| | 9 | 10 | 11.04 | 2.84 | 0.90 | 10 | 12.84 | 1.03 | 0.33 | 10 | 8.65 | 2.44 | 0.77 | 1.21 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 2.39 | 0.22 | 0.07 | 10 | 2.32 | 0.29 | 0.09 | 10 | 2.37 | 0.40 | 0.13 |
| | 2 | 10 | 5.73 | 0.44 | 0.14 | 10 | 5.78 | 0.30 | 0.09 | 10 | 5.85 | 0.34 | 0.11 |
| | 3 | 10 | 10.31 | 0.41 | 0.13 | 10 | 10.40 | 0.47 | 0.15 | 10 | 10.30 | 0.43 | 0.13 |
| | 4 | 10 | 14.84 | 0.46 | 0.15 | 10 | 15.28 | 0.43 | 0.14 | 10 | 15.33 | 0.34 | 0.11 |
| | 5 | 10 | 21.00 | 0.33 | 0.10 | 10 | 21.16 | 0.56 | 0.18 | 10 | 21.04 | 0.43 | 0.14 |
| | 9 | 10 | 10.65 | 1.28 | 0.40 | 10 | 11.59 | 0.77 | 0.24 | 10 | 11.74 | 1.99 | 0.63 |
| 30-Minute | 1 | 10 | 2.24 | 0.28 | 0.09 | 10 | 2.13 | 0.28 | 0.09 | 10 | 2.27 | 0.38 | 0.12 |
| | 2 | 10 | 5.59 | 0.29 | 0.09 | 10 | 5.62 | 0.36 | 0.12 | 10 | 5.63 | 0.47 | 0.15 |
| | 3 | 10 | 10.45 | 0.30 | 0.10 | 10 | 10.53 | 0.33 | 0.10 | 10 | 10.30 | 0.41 | 0.13 |
| | 4 | 10 | 15.02 | 0.39 | 0.12 | 10 | 14.98 | 0.57 | 0.18 | 10 | 15.26 | 0.41 | 0.13 |
| | 5 | 10 | 21.19 | 0.48 | 0.15 | 10 | 21.46 | 0.62 | 0.20 | 10 | 20.98 | 0.50 | 0.16 |
| | 9 | 10 | 10.72 | 1.48 | 0.47 | 10 | 11.15 | 1.94 | 0.61 | 10 | 11.34 | 1.27 | 0.40 |
| 90-Minute | 1 | 10 | 2.09 | 0.34 | 0.11 | 10 | 2.04 | 0.35 | 0.11 | 10 | 1.94 | 0.33 | 0.10 |
| | 2 | 10 | 5.52 | 0.26 | 0.08 | 10 | 5.77 | 0.34 | 0.11 | 10 | 5.61 | 0.44 | 0.14 |
| | 3 | 10 | 10.56 | 0.33 | 0.10 | 10 | 10.45 | 0.34 | 0.11 | 10 | 10.38 | 0.46 | 0.15 |
| | 4 | 10 | 15.11 | 0.36 | 0.11 | 10 | 15.16 | 0.46 | 0.15 | 10 | 14.99 | 0.24 | 0.08 |
| | 5 | 10 | 20.64 | 0.56 | 0.18 | 10 | 21.10 | 0.47 | 0.15 | 10 | 21.18 | 0.53 | 0.17 |
| | 9 | 10 | 11.18 | 1.50 | 0.48 | 10 | 11.62 | 1.27 | 0.40 | 10 | 10.52 | 1.44 | 0.46 |
| 300-Minute | 1 | 10 | 1.84 | 0.29 | 0.09 | 10 | 2.17 | 0.28 | 0.09 | 10 | 2.19 | 0.22 | 0.07 |
| | 2 | 10 | 5.67 | 0.32 | 0.10 | 10 | 5.61 | 0.29 | 0.09 | 10 | 5.48 | 0.36 | 0.11 |
| | 3 | 10 | 10.36 | 0.41 | 0.13 | 10 | 10.33 | 0.43 | 0.13 | 10 | 10.60 | 0.42 | 0.13 |
| | 4 | 10 | 15.24 | 0.48 | 0.15 | 10 | 15.15 | 0.51 | 0.16 | 10 | 15.14 | 0.66 | 0.21 |
| | 5 | 10 | 21.05 | 0.45 | 0.14 | 10 | 21.00 | 0.49 | 0.16 | 10 | 20.76 | 0.53 | 0.17 |
| | 9 | 10 | 10.00 | 1.97 | 0.62 | 10 | 12.17 | 1.51 | 0.48 | 10 | 11.78 | 1.38 | 0.44 |
| 600-Minute | 1 | 10 | 1.94 | 0.28 | 0.09 | 10 | 1.93 | 0.16 | 0.05 | 10 | 1.93 | 0.28 | 0.09 |
| | 2 | 10 | 5.63 | 0.30 | 0.09 | 10 | 5.81 | 0.26 | 0.08 | 10 | 5.53 | 0.37 | 0.12 |
| | 3 | 10 | 10.18 | 0.32 | 0.10 | 10 | 10.31 | 0.33 | 0.10 | 10 | 10.31 | 0.45 | 0.14 |
| | 4 | 10 | 15.31 | 0.59 | 0.19 | 10 | 15.50 | 0.22 | 0.07 | 10 | 15.34 | 0.41 | 0.13 |
| | 5 | 10 | 21.05 | 0.29 | 0.09 | 10 | 20.93 | 0.31 | 0.10 | 10 | 20.60 | 0.41 | 0.13 |
| | 9 | 10 | 10.58 | 3.20 | 1.01 | 10 | 12.21 | 0.82 | 0.26 | 10 | 9.01 | 2.20 | 0.70 |
| | 1 | 10 | 2.36 | 0.04 | 0.02 | 10 | 2.36 | 0.04 | 0.02 | 10 | 2.36 | 0.04 | 0.02 |
| | 2 | 10 | 5.79 | 0.06 | 0.03 | 10 | 5.79 | 0.06 | 0.03 | 10 | 5.79 | 0.06 | 0.03 |
| | 3 | 10 | 10.34 | 0.05 | 0.03 | 10 | 10.34 | 0.05 | 0.03 | 10 | 10.34 | 0.05 | 0.03 |
| | 4 | 10 | 15.15 | 0.27 | 0.16 | 10 | 15.15 | 0.27 | 0.16 | 10 | 15.15 | 0.27 | 0.16 |
| | 5 | 10 | 21.07 | 0.09 | 0.05 | 10 | 21.07 | 0.09 | 0.05 | 10 | 21.07 | 0.09 | 0.05 |
| | 9 | 10 | 11.33 | 0.59 | 0.34 | 10 | 11.33 | 0.59 | 0.34 | 10 | 11.33 | 0.59 | 0.34 |
| | 1 | 10 | 2.21 | 0.07 | 0.04 | 10 | 2.21 | 0.07 | 0.04 | 10 | 2.21 | 0.07 | 0.04 |
| | 2 | 10 | 5.61 | 0.02 | 0.01 | 10 | 5.61 | 0.02 | 0.01 | 10 | 5.61 | 0.02 | 0.01 |
| | 3 | 10 | 10.43 | 0.11 | 0.07 | 10 | 10.43 | 0.11 | 0.07 | 10 | 10.43 | 0.11 | 0.07 |
| | 4 | 10 | 15.08 | 0.15 | 0.09 | 10 | 15.08 | 0.15 | 0.09 | 10 | 15.08 | 0.15 | 0.09 |
| | 5 | 10 | 21.21 | 0.24 | 0.14 | 10 | 21.21 | 0.24 | 0.14 | 10 | 21.21 | 0.24 | 0.14 |
| | 9 | 10 | 11.07 | 0.32 | 0.18 | 10 | 11.07 | 0.32 | 0.18 | 10 | 11.07 | 0.32 | 0.18 |
| | 1 | 10 | 2.02 | 0.08 | 0.04 | 10 | 2.02 | 0.08 | 0.04 | 10 | 2.02 | 0.08 | 0.04 |
| | 2 | 10 | 5.63 | 0.13 | 0.07 | 10 | 5.63 | 0.13 | 0.07 | 10 | 5.63 | 0.13 | 0.07 |
| | 3 | 10 | 10.46 | 0.09 | 0.05 | 10 | 10.46 | 0.09 | 0.05 | 10 | 10.46 | 0.09 | 0.05 |
| | 4 | 10 | 15.09 | 0.09 | 0.05 | 10 | 15.09 | 0.09 | 0.05 | 10 | 15.09 | 0.09 | 0.05 |
| | 5 | 10 | 20.97 | 0.29 | 0.17 | 10 | 20.97 | 0.29 | 0.17 | 10 | 20.97 | 0.29 | 0.17 |
| | 9 | 10 | 11.11 | 0.55 | 0.32 | 10 | 11.11 | 0.55 | 0.32 | 10 | 11.11 | 0.55 | 0.32 |
| | 1 | 10 | 2.07 | 0.20 | 0.12 | 10 | 2.07 | 0.20 | 0.12 | 10 | 2.07 | 0.20 | 0.12 |
| | 2 | 10 | 5.59 | 0.10 | 0.06 | 10 | 5.59 | 0.10 | 0.06 | 10 | 5.59 | 0.10 | 0.06 |
| | 3 | 10 | 10.43 | 0.15 | 0.09 | 10 | 10.43 | 0.15 | 0.09 | 10 | 10.43 | 0.15 | 0.09 |
| | 4 | 10 | 15.17 | 0.06 | 0.03 | 10 | 15.17 | 0.06 | 0.03 | 10 | 15.17 | 0.06 | 0.03 |
| | 5 | 10 | 20.94 | 0.15 | 0.09 | 10 | 20.94 | 0.15 | 0.09 | 10 | 20.94 | 0.15 | 0.09 |
| | 9 | 10 | 11.32 | 1.16 | 0.67 | 10 | 11.32 | 1.16 | 0.67 | 10 | 11.32 | 1.16 | 0.67 |
| | 1 | 10 | 1.93 | 0.01 | 0.00 | 10 | 1.93 | 0.01 | 0.00 | 10 | 1.93 | 0.01 | 0.00 |
| | 2 | 10 | 5.66 | 0.14 | 0.08 | 10 | 5.66 | 0.14 | 0.08 | 10 | 5.66 | 0.14 | 0.08 |
| | 3 | 10 | 10.27 | 0.07 | 0.04 | 10 | 10.27 | 0.07 | 0.04 | 10 | 10.27 | 0.07 | 0.04 |
| | 4 | 10 | 15.38 | 0.10 | 0.06 | 10 | 15.38 | 0.10 | 0.06 | 10 | 15.38 | 0.10 | 0.06 |
| | 5 | 10 | 20.86 | 0.24 | 0.14 | 10 | 20.86 | 0.24 | 0.14 | 10 | 20.86 | 0.24 | 0.14 |
| | 9 | 10 | 10.60 | 1.60 | 0.92 | 10 | 10.60 | 1.60 | 0.92 | 10 | 10.60 | 1.60 | 0.92 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 2.21 | 0.27 | 0.09 | 10 | 2.27 | 0.36 | 0.11 | 10 | 2.30 | 0.22 | 0.07 |
| | 2 | 10 | 5.47 | 0.38 | 0.12 | 10 | 5.48 | 0.27 | 0.08 | 10 | 5.32 | 0.29 | 0.09 |
| | 3 | 10 | 10.31 | 0.20 | 0.06 | 10 | 10.11 | 0.51 | 0.16 | 10 | 10.36 | 0.41 | 0.13 |
| | 4 | 10 | 15.18 | 0.42 | 0.13 | 10 | 15.28 | 0.38 | 0.12 | 10 | 15.11 | 0.46 | 0.15 |
| | 5 | 10 | 21.16 | 0.33 | 0.10 | 10 | 21.13 | 0.33 | 0.10 | 10 | 21.14 | 0.46 | 0.15 |
| 30-Minute | 9 | 10 | 9.27 | 1.97 | 0.62 | 10 | 10.97 | 1.98 | 0.63 | 10 | 10.10 | 2.90 | 0.92 |
| | 1 | 10 | 2.06 | 0.24 | 0.07 | 10 | 2.22 | 0.31 | 0.10 | 10 | 2.03 | 0.24 | 0.07 |
| | 2 | 10 | 5.40 | 0.32 | 0.10 | 10 | 5.40 | 0.39 | 0.12 | 10 | 5.63 | 0.28 | 0.09 |
| | 3 | 10 | 10.43 | 0.51 | 0.16 | 10 | 10.38 | 0.42 | 0.13 | 10 | 9.95 | 0.30 | 0.10 |
| | 4 | 10 | 15.06 | 0.45 | 0.14 | 10 | 15.04 | 0.48 | 0.15 | 10 | 15.23 | 0.44 | 0.16 |
| 90-Minute | 5 | 10 | 21.18 | 0.71 | 0.22 | 10 | 21.10 | 0.60 | 0.19 | 10 | 21.14 | 0.44 | 0.14 |
| | 9 | 10 | 9.30 | 1.90 | 0.60 | 10 | 8.94 | 1.80 | 0.57 | 10 | 9.67 | 2.18 | 0.69 |
| | 1 | 10 | 2.09 | 0.26 | 0.08 | 10 | 2.06 | 0.31 | 0.10 | 10 | 2.21 | 0.24 | 0.07 |
| | 2 | 10 | 5.47 | 0.36 | 0.12 | 10 | 5.53 | 0.42 | 0.13 | 10 | 5.60 | 0.32 | 0.10 |
| | 3 | 10 | 10.35 | 0.42 | 0.13 | 10 | 10.25 | 0.40 | 0.13 | 10 | 10.13 | 0.40 | 0.13 |
| 300-Minute | 4 | 10 | 15.06 | 0.43 | 0.14 | 10 | 15.11 | 0.39 | 0.12 | 10 | 15.09 | 0.40 | 0.13 |
| | 5 | 10 | 21.34 | 0.32 | 0.10 | 10 | 21.14 | 0.37 | 0.12 | 10 | 21.15 | 0.51 | 0.16 |
| | 9 | 10 | 8.79 | 1.41 | 0.45 | 10 | 10.50 | 1.94 | 0.61 | 10 | 8.60 | 2.17 | 0.69 |
| | 1 | 10 | 2.09 | 0.22 | 0.07 | 10 | 2.13 | 0.22 | 0.07 | 10 | 2.09 | 0.25 | 0.08 |
| | 2 | 10 | 5.61 | 0.41 | 0.13 | 10 | 5.47 | 0.34 | 0.11 | 10 | 5.55 | 0.23 | 0.07 |
| 600-Minute | 3 | 10 | 10.19 | 0.43 | 0.13 | 10 | 10.33 | 0.42 | 0.13 | 10 | 10.12 | 0.33 | 0.11 |
| | 4 | 10 | 15.13 | 0.26 | 0.08 | 10 | 15.10 | 0.30 | 0.10 | 10 | 15.20 | 0.62 | 0.20 |
| | 5 | 10 | 21.02 | 0.48 | 0.15 | 10 | 20.96 | 0.19 | 0.06 | 10 | 21.30 | 0.43 | 0.14 |
| | 9 | 10 | 10.72 | 1.54 | 0.49 | 10 | 11.22 | 1.75 | 0.55 | 10 | 10.32 | 2.09 | 0.66 |
| | 1 | 10 | 2.14 | 0.28 | 0.09 | 10 | 2.13 | 0.21 | 0.07 | 10 | 2.05 | 0.27 | 0.08 |
| | 2 | 10 | 5.73 | 0.39 | 0.12 | 10 | 5.54 | 0.19 | 0.06 | 10 | 5.49 | 0.25 | 0.08 |
| | 3 | 10 | 10.45 | 0.41 | 0.13 | 10 | 10.29 | 0.41 | 0.13 | 10 | 10.07 | 0.48 | 0.15 |
| | 4 | 10 | 15.03 | 0.47 | 0.15 | 10 | 15.48 | 0.37 | 0.12 | 10 | 15.01 | 0.45 | 0.14 |
| | 5 | 10 | 20.99 | 0.25 | 0.08 | 10 | 21.03 | 0.37 | 0.12 | 10 | 21.08 | 0.56 | 0.18 |
| | 9 | 10 | 10.84 | 1.17 | 0.37 | 10 | 11.47 | 1.53 | 0.48 | 10 | 9.09 | 1.75 | 0.55 |
| | 1 | 10 | 2.11 | 0.05 | 0.03 | 10 | 2.11 | 0.05 | 0.03 | 10 | 2.11 | 0.05 | 0.03 |
| | 2 | 10 | 5.59 | 0.13 | 0.07 | 10 | 5.59 | 0.13 | 0.07 | 10 | 5.59 | 0.13 | 0.07 |
| | 3 | 10 | 10.27 | 0.19 | 0.11 | 10 | 10.27 | 0.19 | 0.11 | 10 | 10.27 | 0.19 | 0.11 |
| | 4 | 10 | 15.17 | 0.27 | 0.16 | 10 | 15.17 | 0.27 | 0.16 | 10 | 15.17 | 0.27 | 0.16 |
| | 5 | 10 | 21.03 | 0.04 | 0.03 | 10 | 21.03 | 0.04 | 0.03 | 10 | 21.03 | 0.04 | 0.03 |
| | 9 | 10 | 10.47 | 1.23 | 0.71 | 10 | 10.47 | 1.23 | 0.71 | 10 | 10.47 | 1.23 | 0.71 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | | | | |
|------------|------------|--------------|-------|------|---------------|-------|-------|---------------|------|------|------------|------|------|------|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | | | | |
| Baseline | 1 | 10 | 2.20 | 0.54 | 0.17 | 9 | 2.06 | 0.73 | 0.24 | 10 | 2.55 | 0.60 | 0.19 | 3 | 2.27 | 0.25 | 0.15 |
| | 2 | 10 | 5.70 | 1.18 | 0.37 | 10 | 5.30 | 0.71 | 0.23 | 8 | 5.44 | 0.73 | 0.26 | 3 | 5.48 | 0.20 | 0.12 |
| | 3 | 10 | 11.20 | 0.86 | 0.27 | 9 | 10.06 | 1.01 | 0.34 | 10 | 10.80 | 1.18 | 0.37 | 3 | 10.69 | 0.58 | 0.34 |
| | 4 | 10 | 15.35 | 1.40 | 0.44 | 9 | 15.61 | 1.65 | 0.55 | 10 | 15.30 | 1.21 | 0.38 | 3 | 15.42 | 0.17 | 0.10 |
| | 5 | 10 | 21.45 | 1.26 | 0.40 | 10 | 21.00 | 1.49 | 0.47 | 10 | 21.85 | 1.33 | 0.42 | 3 | 21.43 | 0.43 | 0.25 |
| 9 | 10 | 3.90 | 5.68 | 1.79 | 10 | 6.50 | 5.85 | 1.85 | 10 | 6.50 | 6.31 | 2.00 | 3 | 5.63 | 1.50 | 0.87 | |
| 30-Minute | 1 | 9 | 1.78 | 0.44 | 0.15 | 9 | 2.28 | 0.62 | 0.21 | 8 | 2.31 | 0.59 | 0.21 | 3 | 2.12 | 0.30 | 0.17 |
| | 2 | 9 | 5.89 | 0.89 | 0.30 | 7 | 5.64 | 0.99 | 0.37 | 9 | 5.72 | 1.03 | 0.34 | 3 | 5.75 | 0.13 | 0.07 |
| | 3 | 10 | 10.45 | 1.26 | 0.40 | 9 | 11.06 | 1.10 | 0.37 | 10 | 10.10 | 1.51 | 0.48 | 3 | 10.54 | 0.48 | 0.28 |
| | 4 | 10 | 15.40 | 1.10 | 0.35 | 10 | 14.55 | 1.28 | 0.40 | 10 | 15.20 | 1.32 | 0.42 | 3 | 15.05 | 0.44 | 0.26 |
| | 5 | 10 | 20.85 | 1.78 | 0.56 | 10 | 21.65 | 2.03 | 0.64 | 10 | 21.25 | 1.83 | 0.58 | 3 | 21.25 | 0.40 | 0.23 |
| 9 | 10 | 4.10 | 4.88 | 1.54 | 10 | 4.15 | 5.04 | 1.59 | 10 | 7.45 | 7.29 | 2.30 | 3 | 5.23 | 1.92 | 1.11 | |
| 90-Minute | 1 | 9 | 2.06 | 0.53 | 0.18 | 6 | 2.67 | 0.68 | 0.28 | 10 | 2.35 | 0.75 | 0.24 | 3 | 2.36 | 0.31 | 0.18 |
| | 2 | 9 | 5.83 | 1.06 | 0.35 | 9 | 6.22 | 0.75 | 0.25 | 10 | 5.80 | 0.75 | 0.24 | 3 | 5.95 | 0.23 | 0.14 |
| | 3 | 9 | 11.17 | 1.06 | 0.35 | 10 | 10.55 | 1.23 | 0.39 | 10 | 10.35 | 1.51 | 0.48 | 3 | 10.69 | 0.43 | 0.25 |
| | 4 | 10 | 15.30 | 0.98 | 0.31 | 10 | 15.35 | 1.03 | 0.33 | 10 | 15.20 | 1.48 | 0.47 | 3 | 15.28 | 0.08 | 0.04 |
| | 5 | 10 | 21.65 | 1.20 | 0.38 | 10 | 21.35 | 1.49 | 0.47 | 10 | 20.85 | 1.76 | 0.56 | 3 | 21.28 | 0.40 | 0.23 |
| 9 | 10 | 3.50 | 3.43 | 1.09 | 10 | 9.90 | 7.11 | 2.25 | 10 | 4.90 | 5.71 | 1.81 | 3 | 6.10 | 3.36 | 1.94 | |
| 300-Minute | 1 | 9 | 2.39 | 0.82 | 0.27 | 10 | 2.00 | 0.47 | 0.15 | 9 | 2.11 | 0.78 | 0.26 | 3 | 2.17 | 0.20 | 0.12 |
| | 2 | 9 | 5.61 | 1.27 | 0.42 | 9 | 5.94 | 0.98 | 0.33 | 9 | 5.61 | 0.89 | 0.30 | 3 | 5.72 | 0.19 | 0.11 |
| | 3 | 10 | 11.20 | 1.18 | 0.37 | 10 | 10.80 | 1.34 | 0.42 | 10 | 11.05 | 1.07 | 0.34 | 3 | 11.02 | 0.20 | 0.12 |
| | 4 | 10 | 15.55 | 1.42 | 0.45 | 9 | 15.44 | 0.95 | 0.32 | 10 | 15.15 | 1.16 | 0.37 | 3 | 15.38 | 0.21 | 0.12 |
| | 5 | 10 | 21.00 | 2.16 | 0.68 | 10 | 20.35 | 1.20 | 0.38 | 10 | 21.55 | 2.17 | 0.68 | 3 | 20.97 | 0.60 | 0.35 |
| 9 | 10 | 6.70 | 8.37 | 2.65 | 10 | 6.75 | 7.47 | 2.36 | 10 | 4.70 | 4.24 | 1.34 | 3 | 6.05 | 1.17 | 0.68 | |
| 600-Minute | 1 | 9 | 2.44 | 0.85 | 0.28 | 9 | 2.50 | 0.61 | 0.20 | 10 | 2.10 | 0.66 | 0.21 | 3 | 2.35 | 0.22 | 0.13 |
| | 2 | 8 | 6.44 | 0.68 | 0.24 | 9 | 5.44 | 0.77 | 0.26 | 9 | 5.72 | 0.71 | 0.24 | 3 | 5.87 | 0.51 | 0.30 |
| | 3 | 10 | 10.50 | 1.08 | 0.34 | 10 | 10.95 | 1.09 | 0.35 | 9 | 10.19 | 1.16 | 0.39 | 3 | 10.55 | 0.38 | 0.22 |
| | 4 | 10 | 16.05 | 1.48 | 0.47 | 10 | 15.75 | 1.16 | 0.37 | 10 | 15.90 | 1.29 | 0.41 | 3 | 15.90 | 0.15 | 0.09 |
| | 5 | 10 | 20.85 | 1.81 | 0.57 | 10 | 20.20 | 1.11 | 0.35 | 10 | 20.95 | 1.96 | 0.62 | 3 | 20.67 | 0.41 | 0.24 |
| 9 | 10 | 8.15 | 6.99 | 2.21 | 10 | 10.40 | 8.10 | 2.56 | 10 | 3.75 | 3.64 | 1.15 | 3 | 7.43 | 3.38 | 1.95 | |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|--------|--------|---------------|----|--------|---------------|-------|----|------------|-------|-------|---|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 39.82 | 75.05 | 23.73 | 10 | 23.97 | 11.72 | 3.71 | 10 | 30.11 | 40.48 | 12.80 | 3 | 31.30 | 7.99 | 4.61 |
| | 2 | 10 | 22.65 | 26.96 | 8.53 | 10 | 19.91 | 5.88 | 1.86 | 10 | 20.60 | 17.10 | 5.41 | 3 | 21.05 | 1.42 | 0.82 |
| | 3 | 10 | 27.72 | 13.72 | 4.34 | 10 | 23.68 | 7.23 | 2.29 | 10 | 22.68 | 8.99 | 2.84 | 3 | 24.69 | 2.66 | 1.54 |
| | 4 | 10 | 28.36 | 9.96 | 3.15 | 10 | 33.12 | 9.10 | 2.88 | 10 | 32.07 | 16.11 | 5.10 | 3 | 31.19 | 2.50 | 1.44 |
| | 5 | 10 | 34.70 | 10.35 | 3.27 | 10 | 60.66 | 20.91 | 6.61 | 10 | 48.79 | 21.96 | 6.95 | 3 | 48.05 | 12.99 | 7.50 |
| | 6 | 10 | 19.46 | 8.38 | 2.65 | 10 | 33.69 | 9.70 | 3.07 | 10 | 31.39 | 11.93 | 3.77 | 3 | 28.18 | 7.64 | 4.41 |
| | 7 | 10 | 107.33 | 53.04 | 16.77 | 10 | 157.27 | 36.80 | 11.64 | 10 | 125.01 | 33.94 | 10.73 | 3 | 129.87 | 25.32 | 14.62 |
| | 8 | 10 | 1.86 | 1.80 | 0.57 | 10 | 2.52 | 0.87 | 0.28 | 10 | 1.85 | 0.67 | 0.21 | 3 | 2.08 | 0.38 | 0.22 |
| | 9 | 10 | 153.25 | 108.82 | 34.41 | 10 | 161.34 | 30.60 | 9.68 | 10 | 154.26 | 62.95 | 19.91 | 3 | 156.28 | 4.41 | 2.54 |
| 30-Minute | 1 | 10 | 21.05 | 13.88 | 4.39 | 10 | 20.49 | 9.46 | 2.99 | 10 | 20.20 | 12.17 | 3.85 | 3 | 20.58 | 0.43 | 0.25 |
| | 2 | 10 | 14.47 | 4.44 | 1.41 | 10 | 15.30 | 4.67 | 1.48 | 10 | 12.23 | 6.09 | 1.93 | 3 | 14.00 | 1.59 | 0.92 |
| | 3 | 10 | 21.85 | 7.24 | 2.29 | 10 | 17.12 | 4.29 | 1.36 | 10 | 19.60 | 12.52 | 3.96 | 3 | 19.52 | 2.36 | 1.36 |
| | 4 | 10 | 24.82 | 7.82 | 2.47 | 10 | 22.46 | 13.06 | 4.13 | 10 | 16.46 | 10.87 | 3.44 | 3 | 21.25 | 4.31 | 2.49 |
| | 5 | 10 | 34.29 | 8.55 | 2.70 | 10 | 29.78 | 17.70 | 5.60 | 10 | 32.84 | 16.79 | 5.31 | 3 | 32.30 | 2.30 | 1.33 |
| | 6 | 10 | 20.18 | 8.45 | 2.67 | 10 | 20.14 | 7.47 | 2.36 | 10 | 17.21 | 9.12 | 2.88 | 3 | 19.18 | 1.70 | 0.98 |
| | 7 | 10 | 92.35 | 27.24 | 8.61 | 10 | 89.75 | 42.58 | 13.46 | 10 | 84.05 | 51.24 | 16.20 | 3 | 88.72 | 4.25 | 2.45 |
| | 8 | 10 | 1.51 | 0.86 | 0.27 | 10 | 1.30 | 0.93 | 0.30 | 10 | 1.73 | 1.65 | 0.52 | 3 | 1.51 | 0.22 | 0.12 |
| | 9 | 10 | 116.48 | 18.54 | 5.86 | 10 | 105.16 | 33.31 | 10.53 | 10 | 101.33 | 47.61 | 15.06 | 3 | 107.65 | 7.88 | 4.55 |
| 90-Minute | 1 | 10 | 31.03 | 25.22 | 7.97 | 10 | 15.36 | 7.70 | 2.44 | 10 | 27.71 | 10.07 | 3.19 | 3 | 24.70 | 8.26 | 4.77 |
| | 2 | 10 | 14.90 | 4.30 | 1.36 | 10 | 11.39 | 4.35 | 1.37 | 10 | 11.75 | 4.07 | 1.29 | 3 | 12.68 | 1.93 | 1.12 |
| | 3 | 10 | 21.97 | 7.83 | 2.48 | 10 | 19.94 | 8.87 | 2.81 | 10 | 15.11 | 4.62 | 1.46 | 3 | 19.01 | 3.52 | 2.03 |
| | 4 | 10 | 27.28 | 11.02 | 3.48 | 10 | 24.86 | 10.01 | 3.17 | 10 | 16.65 | 6.91 | 2.19 | 3 | 22.93 | 5.57 | 3.22 |
| | 5 | 10 | 44.72 | 21.14 | 6.69 | 10 | 34.63 | 15.65 | 4.95 | 10 | 22.03 | 7.46 | 2.36 | 3 | 33.79 | 11.37 | 6.56 |
| | 6 | 10 | 31.68 | 14.28 | 4.52 | 10 | 26.01 | 9.66 | 3.05 | 10 | 15.18 | 7.33 | 2.32 | 3 | 24.29 | 8.38 | 4.84 |
| | 7 | 10 | 132.96 | 51.52 | 16.29 | 10 | 101.24 | 34.80 | 11.00 | 10 | 60.67 | 24.23 | 7.66 | 3 | 98.29 | 36.24 | 20.92 |
| | 8 | 10 | 2.50 | 1.62 | 0.51 | 10 | 1.80 | 0.68 | 0.21 | 10 | 1.16 | 0.99 | 0.31 | 3 | 1.82 | 0.67 | 0.39 |
| | 9 | 10 | 139.90 | 35.32 | 11.17 | 10 | 106.18 | 31.21 | 9.87 | 10 | 93.25 | 14.55 | 4.60 | 3 | 113.11 | 24.09 | 13.91 |
| 300-Minute | 1 | 10 | 23.06 | 13.79 | 4.36 | 10 | 20.62 | 7.38 | 2.33 | 10 | 20.65 | 7.27 | 2.30 | 3 | 21.44 | 1.40 | 0.81 |
| | 2 | 10 | 13.24 | 4.70 | 1.49 | 10 | 17.16 | 6.33 | 2.00 | 10 | 12.87 | 4.11 | 1.30 | 3 | 14.42 | 2.38 | 1.38 |
| | 3 | 10 | 20.65 | 8.99 | 2.84 | 10 | 23.72 | 9.21 | 2.91 | 10 | 24.38 | 11.97 | 3.79 | 3 | 22.92 | 1.99 | 1.15 |
| | 4 | 10 | 20.67 | 9.79 | 3.10 | 10 | 36.19 | 11.76 | 3.72 | 10 | 31.72 | 14.24 | 4.50 | 3 | 29.53 | 7.99 | 4.61 |
| | 5 | 10 | 33.17 | 16.25 | 5.14 | 10 | 38.63 | 9.87 | 3.12 | 10 | 38.88 | 12.40 | 3.92 | 3 | 36.90 | 3.23 | 1.86 |
| | 6 | 10 | 20.62 | 10.86 | 3.44 | 10 | 28.86 | 8.43 | 2.66 | 10 | 33.90 | 14.87 | 4.70 | 3 | 27.79 | 6.70 | 3.87 |
| | 7 | 10 | 85.66 | 45.65 | 14.43 | 10 | 119.81 | 17.46 | 5.52 | 10 | 136.04 | 50.03 | 15.82 | 3 | 113.84 | 25.71 | 14.84 |
| | 8 | 10 | 1.10 | 0.84 | 0.27 | 10 | 1.84 | 0.72 | 0.23 | 10 | 1.92 | 0.95 | 0.30 | 3 | 1.62 | 0.45 | 0.26 |
| | 9 | 10 | 110.79 | 33.16 | 10.48 | 10 | 136.34 | 28.79 | 9.11 | 10 | 128.50 | 29.10 | 9.20 | 3 | 125.21 | 13.09 | 7.56 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 1 (Continued)

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | | | | |
|------------|------------|--------------|--------|-------|---------------|----|--------|---------------|-------|----|------------|-------|-------|---|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | | | | |
| 600-Minute | 1 | 10 | 22.32 | 13.50 | 4.27 | 10 | 19.79 | 9.30 | 2.94 | 10 | 52.13 | 40.37 | 12.77 | 3 | 31.41 | 17.99 | 10.38 |
| | 2 | 10 | 16.12 | 10.74 | 3.40 | 10 | 16.34 | 6.21 | 1.96 | 10 | 19.58 | 18.29 | 5.78 | 3 | 17.34 | 1.94 | 1.12 |
| | 3 | 10 | 17.28 | 13.38 | 4.23 | 10 | 21.56 | 8.07 | 2.55 | 10 | 20.45 | 15.12 | 4.78 | 3 | 19.76 | 2.22 | 1.28 |
| | 4 | 10 | 17.28 | 13.49 | 4.27 | 10 | 30.22 | 17.71 | 5.60 | 10 | 15.78 | 7.69 | 2.43 | 3 | 21.09 | 7.94 | 4.59 |
| | 5 | 10 | 28.11 | 29.54 | 9.34 | 10 | 37.68 | 13.19 | 4.17 | 10 | 16.87 | 9.39 | 2.97 | 3 | 27.55 | 10.42 | 6.01 |
| | 6 | 10 | 14.27 | 12.33 | 3.90 | 10 | 27.21 | 5.15 | 1.63 | 10 | 12.91 | 10.94 | 3.46 | 3 | 18.13 | 7.89 | 4.56 |
| | 7 | 10 | 69.61 | 81.69 | 25.83 | 10 | 118.96 | 31.60 | 9.99 | 10 | 44.60 | 44.09 | 13.94 | 3 | 77.72 | 37.84 | 21.85 |
| | 8 | 10 | 1.56 | 2.35 | 0.74 | 10 | 2.49 | 1.34 | 0.42 | 10 | 1.10 | 1.68 | 0.53 | 3 | 1.71 | 0.71 | 0.41 |
| | 9 | 10 | 101.10 | 66.58 | 21.05 | 10 | 125.59 | 37.32 | 11.80 | 10 | 124.81 | 65.13 | 20.60 | 3 | 117.17 | 13.92 | 8.04 |

PARAMETER = Total Power
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|-------|---------------|----|--------|---------------|-------|----|------------|-------|------|---|-------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 14.14 | 13.07 | 4.13 | 10 | 11.11 | 3.31 | 1.05 | 10 | 12.33 | 6.04 | 1.91 | 3 | 12.53 | 1.52 | 0.88 |
| | 2 | 10 | 11.34 | 6.30 | 1.99 | 10 | 10.34 | 2.95 | 0.93 | 10 | 10.75 | 3.37 | 1.07 | 3 | 10.81 | 0.50 | 0.29 |
| | 3 | 10 | 13.96 | 7.73 | 2.44 | 10 | 17.36 | 2.98 | 0.94 | 10 | 17.63 | 9.10 | 2.88 | 3 | 16.32 | 2.04 | 1.18 |
| | 4 | 10 | 12.38 | 4.41 | 1.39 | 10 | 12.65 | 7.80 | 2.47 | 10 | 14.37 | 5.83 | 1.84 | 3 | 13.14 | 1.08 | 0.62 |
| | 5 | 10 | 9.92 | 2.00 | 0.63 | 10 | 14.64 | 3.56 | 1.13 | 10 | 16.32 | 7.34 | 2.32 | 3 | 13.62 | 3.32 | 1.91 |
| | 6 | 10 | 5.34 | 1.63 | 0.52 | 10 | 7.62 | 2.46 | 0.78 | 10 | 9.58 | 6.04 | 1.91 | 3 | 7.51 | 2.12 | 1.22 |
| | 7 | 10 | 17.50 | 5.89 | 1.86 | 10 | 35.45 | 16.81 | 5.32 | 10 | 31.86 | 17.17 | 5.43 | 3 | 28.27 | 9.50 | 5.48 |
| | 8 | 10 | 0.24 | 0.17 | 0.05 | 10 | 0.51 | 0.31 | 0.10 | 10 | 0.54 | 0.44 | 0.14 | 3 | 0.43 | 0.16 | 0.09 |
| | 9 | 10 | 61.74 | 22.85 | 7.22 | 10 | 66.10 | 12.17 | 3.85 | 10 | 71.39 | 19.08 | 6.03 | 3 | 66.41 | 4.83 | 2.79 |
| 30-Minute | 1 | 10 | 13.44 | 8.91 | 2.82 | 10 | 13.55 | 5.23 | 1.65 | 10 | 17.29 | 8.28 | 2.62 | 3 | 14.76 | 2.19 | 1.27 |
| | 2 | 10 | 9.18 | 2.97 | 0.94 | 10 | 9.56 | 6.23 | 1.97 | 10 | 11.28 | 4.93 | 1.56 | 3 | 10.01 | 1.12 | 0.65 |
| | 3 | 10 | 13.26 | 8.15 | 2.58 | 10 | 15.84 | 9.78 | 3.09 | 10 | 16.83 | 7.49 | 2.37 | 3 | 15.31 | 1.85 | 1.07 |
| | 4 | 10 | 9.90 | 4.80 | 1.52 | 10 | 13.53 | 3.52 | 1.11 | 10 | 15.27 | 6.65 | 2.10 | 3 | 12.90 | 2.74 | 1.58 |
| | 5 | 10 | 10.62 | 2.46 | 0.78 | 10 | 14.17 | 13.08 | 4.14 | 10 | 19.51 | 11.10 | 3.51 | 3 | 14.77 | 4.47 | 2.58 |
| | 6 | 10 | 3.90 | 1.41 | 0.45 | 10 | 9.18 | 7.29 | 2.30 | 10 | 11.78 | 6.30 | 1.99 | 3 | 8.29 | 4.02 | 2.32 |
| | 7 | 10 | 17.52 | 3.78 | 1.19 | 10 | 29.61 | 29.71 | 9.39 | 10 | 45.47 | 29.62 | 9.37 | 3 | 30.87 | 14.02 | 8.09 |
| | 8 | 10 | 0.23 | 0.14 | 0.04 | 10 | 0.44 | 0.55 | 0.17 | 10 | 0.56 | 0.56 | 0.18 | 3 | 0.41 | 0.17 | 0.10 |
| | 9 | 10 | 56.40 | 18.17 | 5.74 | 10 | 66.65 | 25.99 | 8.22 | 10 | 80.18 | 29.31 | 9.27 | 3 | 67.74 | 11.93 | 6.89 |
| 90-Minute | 1 | 10 | 16.56 | 7.19 | 2.28 | 10 | 12.08 | 4.91 | 1.55 | 10 | 16.81 | 7.80 | 2.47 | 3 | 15.15 | 2.66 | 1.54 |
| | 2 | 10 | 12.20 | 7.83 | 2.48 | 10 | 9.85 | 3.84 | 1.22 | 10 | 9.25 | 4.42 | 1.40 | 3 | 10.43 | 1.56 | 0.90 |
| | 3 | 10 | 19.63 | 5.84 | 1.85 | 10 | 17.53 | 6.84 | 2.16 | 10 | 16.46 | 8.17 | 2.58 | 3 | 17.87 | 1.61 | 0.93 |
| | 4 | 10 | 14.61 | 5.24 | 1.66 | 10 | 15.27 | 8.93 | 2.82 | 10 | 10.93 | 4.25 | 1.35 | 3 | 13.60 | 2.34 | 1.35 |
| | 5 | 10 | 17.62 | 8.76 | 2.77 | 10 | 16.30 | 9.34 | 2.95 | 10 | 12.97 | 6.48 | 2.05 | 3 | 15.63 | 2.40 | 1.38 |
| | 6 | 10 | 10.91 | 8.66 | 2.74 | 10 | 10.89 | 9.90 | 3.13 | 10 | 6.77 | 4.26 | 1.35 | 3 | 9.53 | 2.38 | 1.38 |
| | 7 | 10 | 40.07 | 36.48 | 11.53 | 10 | 39.03 | 32.66 | 10.33 | 10 | 26.89 | 22.24 | 7.03 | 3 | 35.33 | 7.33 | 4.23 |
| | 8 | 10 | 0.52 | 0.50 | 0.16 | 10 | 0.73 | 0.72 | 0.23 | 10 | 0.41 | 0.33 | 0.11 | 3 | 0.55 | 0.16 | 0.09 |
| | 9 | 10 | 80.62 | 24.92 | 7.88 | 10 | 71.02 | 24.99 | 7.90 | 10 | 66.42 | 20.87 | 6.60 | 3 | 72.69 | 7.24 | 4.18 |
| 300-Minute | 1 | 10 | 23.87 | 14.66 | 4.63 | 10 | 21.99 | 11.07 | 3.50 | 10 | 13.83 | 7.20 | 2.28 | 3 | 19.90 | 5.34 | 3.08 |
| | 2 | 10 | 12.46 | 9.61 | 3.04 | 10 | 17.55 | 5.03 | 1.59 | 10 | 9.67 | 2.73 | 0.86 | 3 | 13.22 | 3.99 | 2.31 |
| | 3 | 10 | 14.51 | 5.95 | 1.88 | 10 | 25.11 | 4.84 | 1.53 | 10 | 18.02 | 5.43 | 1.72 | 3 | 19.21 | 5.40 | 3.12 |
| | 4 | 10 | 11.69 | 5.23 | 1.65 | 10 | 21.95 | 9.20 | 2.91 | 10 | 15.49 | 4.84 | 1.53 | 3 | 16.38 | 5.18 | 2.99 |
| | 5 | 10 | 14.39 | 6.45 | 2.04 | 10 | 36.88 | 17.42 | 5.51 | 10 | 17.93 | 9.31 | 2.95 | 3 | 23.07 | 12.09 | 6.98 |
| | 6 | 10 | 7.74 | 7.09 | 2.24 | 10 | 19.00 | 5.33 | 1.69 | 10 | 10.02 | 7.26 | 2.30 | 3 | 12.25 | 5.95 | 3.44 |
| | 7 | 10 | 25.68 | 21.79 | 6.89 | 10 | 88.64 | 16.10 | 5.09 | 10 | 36.92 | 28.84 | 9.12 | 3 | 50.42 | 33.58 | 19.39 |
| | 8 | 10 | 0.32 | 0.26 | 0.08 | 10 | 1.49 | 0.56 | 0.18 | 10 | 0.61 | 0.37 | 0.12 | 3 | 0.81 | 0.61 | 0.35 |
| | 9 | 10 | 76.92 | 30.75 | 9.72 | 10 | 123.47 | 23.41 | 7.40 | 10 | 74.95 | 16.79 | 5.31 | 3 | 91.78 | 27.47 | 15.86 |

TASK: 89-09

DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 2 (Continued)

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|-------|---|-------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| 600-Minute | 1 | 10 | 16.07 | 13.98 | 4.42 | 10 | 14.99 | 5.47 | 1.73 | 10 | 24.96 | 22.28 | 7.04 | 3 | 18.67 | 5.47 | 3.16 |
| | 2 | 10 | 12.88 | 9.28 | 2.93 | 10 | 13.81 | 6.11 | 1.93 | 10 | 13.20 | 9.24 | 2.92 | 3 | 13.30 | 0.48 | 0.27 |
| | 3 | 10 | 11.86 | 8.10 | 2.56 | 10 | 19.39 | 6.59 | 2.08 | 10 | 16.90 | 15.39 | 4.87 | 3 | 16.05 | 3.84 | 2.22 |
| | 4 | 10 | 13.59 | 15.05 | 4.76 | 10 | 16.04 | 5.19 | 1.64 | 10 | 14.18 | 20.57 | 6.50 | 3 | 14.60 | 1.28 | 0.74 |
| | 5 | 10 | 18.77 | 24.68 | 7.81 | 10 | 26.54 | 6.82 | 2.16 | 10 | 9.21 | 7.58 | 2.40 | 3 | 18.18 | 8.68 | 5.01 |
| | 6 | 10 | 11.64 | 18.74 | 5.93 | 10 | 16.03 | 5.28 | 1.67 | 10 | 8.02 | 15.55 | 4.92 | 3 | 11.90 | 4.01 | 2.32 |
| | 7 | 10 | 47.20 | 77.02 | 24.35 | 10 | 77.08 | 29.72 | 9.40 | 10 | 29.86 | 56.75 | 17.95 | 3 | 51.38 | 23.88 | 13.79 |
| | 8 | 10 | 0.69 | 1.24 | 0.39 | 10 | 1.29 | 0.72 | 0.23 | 10 | 0.54 | 1.24 | 0.39 | 3 | 0.84 | 0.40 | 0.23 |
| | 9 | 10 | 73.16 | 51.93 | 16.42 | 10 | 90.78 | 19.26 | 6.09 | 10 | 78.44 | 55.76 | 17.63 | 3 | 80.79 | 9.04 | 5.22 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|--------|-------|---------------|----|--------|---------------|-------|----|------------|-------|-------|---|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 55.14 | 31.13 | 9.84 | 10 | 38.55 | 19.68 | 6.22 | 10 | 44.70 | 27.32 | 8.64 | 3 | 46.13 | 8.39 | 4.84 |
| | 2 | 10 | 30.65 | 13.34 | 4.22 | 10 | 39.42 | 26.77 | 8.47 | 10 | 37.96 | 21.21 | 6.71 | 3 | 36.01 | 4.70 | 2.71 |
| | 3 | 10 | 39.78 | 18.13 | 5.73 | 10 | 42.16 | 16.82 | 5.32 | 10 | 40.09 | 15.33 | 4.85 | 3 | 40.68 | 1.29 | 0.74 |
| | 4 | 10 | 25.59 | 7.91 | 2.50 | 10 | 31.29 | 14.52 | 4.59 | 10 | 29.48 | 12.50 | 3.95 | 3 | 28.79 | 2.91 | 1.68 |
| | 5 | 10 | 31.74 | 15.97 | 5.05 | 10 | 43.43 | 11.50 | 3.64 | 10 | 48.31 | 18.79 | 5.94 | 3 | 41.16 | 8.51 | 4.92 |
| | 6 | 10 | 19.34 | 11.83 | 3.74 | 10 | 29.01 | 9.30 | 2.94 | 10 | 32.58 | 16.47 | 5.21 | 3 | 26.98 | 6.85 | 3.95 |
| | 7 | 10 | 80.54 | 39.48 | 12.49 | 10 | 126.62 | 27.27 | 8.62 | 10 | 111.12 | 41.75 | 13.20 | 3 | 106.09 | 23.45 | 13.54 |
| | 8 | 10 | 0.99 | 0.52 | 0.16 | 10 | 1.85 | 1.21 | 0.38 | 10 | 1.65 | 0.51 | 0.16 | 3 | 1.50 | 0.45 | 0.26 |
| | 9 | 10 | 182.90 | 54.81 | 17.33 | 10 | 194.85 | 49.68 | 15.71 | 10 | 200.55 | 30.75 | 9.73 | 3 | 192.77 | 9.01 | 5.20 |
| 30-Minute | 1 | 10 | 46.04 | 29.97 | 9.48 | 10 | 62.14 | 29.78 | 9.42 | 10 | 73.82 | 46.84 | 14.81 | 3 | 60.67 | 13.95 | 8.05 |
| | 2 | 10 | 21.47 | 13.30 | 4.21 | 10 | 34.32 | 23.07 | 7.30 | 10 | 43.49 | 24.23 | 7.66 | 3 | 33.09 | 11.06 | 6.39 |
| | 3 | 10 | 23.32 | 18.81 | 5.95 | 10 | 30.77 | 10.63 | 3.36 | 10 | 33.51 | 9.83 | 3.11 | 3 | 29.20 | 5.27 | 3.04 |
| | 4 | 10 | 15.96 | 5.01 | 1.59 | 10 | 28.33 | 12.78 | 4.04 | 10 | 25.25 | 8.70 | 2.75 | 3 | 23.18 | 6.44 | 3.72 |
| | 5 | 10 | 28.06 | 7.00 | 2.21 | 10 | 37.85 | 20.99 | 6.64 | 10 | 51.98 | 28.37 | 8.97 | 3 | 39.30 | 12.03 | 6.94 |
| | 6 | 10 | 13.28 | 4.90 | 1.55 | 10 | 21.07 | 12.60 | 3.99 | 10 | 25.88 | 14.58 | 4.61 | 3 | 20.08 | 6.36 | 3.67 |
| | 7 | 10 | 64.43 | 11.98 | 3.79 | 10 | 84.71 | 37.27 | 11.79 | 10 | 121.69 | 40.32 | 12.75 | 3 | 90.28 | 29.03 | 16.76 |
| | 8 | 10 | 1.00 | 0.34 | 0.11 | 10 | 1.25 | 0.84 | 0.26 | 10 | 1.26 | 0.74 | 0.23 | 3 | 1.17 | 0.15 | 0.09 |
| | 9 | 10 | 134.86 | 53.34 | 16.87 | 10 | 193.41 | 49.85 | 15.77 | 10 | 228.06 | 69.06 | 21.84 | 3 | 185.44 | 47.11 | 27.20 |
| 90-Minute | 1 | 10 | 74.03 | 34.68 | 10.97 | 10 | 47.43 | 33.52 | 10.60 | 10 | 60.30 | 22.91 | 7.25 | 3 | 60.59 | 13.30 | 7.68 |
| | 2 | 10 | 46.33 | 23.09 | 7.30 | 10 | 29.50 | 9.62 | 3.04 | 10 | 32.24 | 11.70 | 3.70 | 3 | 36.02 | 9.03 | 5.21 |
| | 3 | 10 | 46.46 | 17.61 | 5.57 | 10 | 29.77 | 11.75 | 3.72 | 10 | 37.11 | 27.33 | 8.64 | 3 | 37.78 | 8.36 | 4.83 |
| | 4 | 10 | 25.22 | 10.32 | 3.26 | 10 | 26.14 | 7.19 | 2.27 | 10 | 23.19 | 6.44 | 2.04 | 3 | 24.85 | 1.51 | 0.87 |
| | 5 | 10 | 56.72 | 26.39 | 8.34 | 10 | 44.37 | 15.40 | 4.87 | 10 | 31.64 | 18.42 | 5.83 | 3 | 44.24 | 12.54 | 7.24 |
| | 6 | 10 | 32.40 | 21.29 | 6.73 | 10 | 26.85 | 10.17 | 3.22 | 10 | 19.43 | 4.85 | 1.53 | 3 | 26.23 | 6.51 | 3.76 |
| | 7 | 10 | 140.86 | 41.31 | 13.06 | 10 | 103.12 | 33.98 | 10.75 | 10 | 80.86 | 26.29 | 8.31 | 3 | 108.28 | 30.33 | 17.51 |
| | 8 | 10 | 2.28 | 1.25 | 0.40 | 10 | 1.51 | 0.80 | 0.25 | 10 | 0.92 | 0.50 | 0.16 | 3 | 1.57 | 0.68 | 0.39 |
| | 9 | 10 | 248.76 | 69.39 | 21.94 | 10 | 177.21 | 48.79 | 15.43 | 10 | 184.48 | 48.50 | 15.34 | 3 | 203.48 | 39.38 | 22.73 |
| 300-Minute | 1 | 10 | 35.06 | 15.92 | 5.03 | 10 | 60.38 | 29.08 | 9.20 | 10 | 54.57 | 30.05 | 9.50 | 3 | 50.00 | 13.26 | 7.65 |
| | 2 | 10 | 23.65 | 7.81 | 2.47 | 10 | 39.69 | 20.89 | 6.61 | 10 | 34.33 | 20.38 | 6.44 | 3 | 32.56 | 8.17 | 4.71 |
| | 3 | 10 | 31.40 | 13.80 | 4.37 | 10 | 50.87 | 18.73 | 5.92 | 10 | 42.17 | 25.84 | 8.17 | 3 | 41.48 | 9.75 | 5.63 |
| | 4 | 10 | 25.64 | 10.30 | 3.26 | 10 | 36.85 | 13.80 | 4.36 | 10 | 36.04 | 17.54 | 5.55 | 3 | 32.84 | 6.25 | 3.61 |
| | 5 | 10 | 36.43 | 15.35 | 4.86 | 10 | 45.48 | 8.86 | 2.80 | 10 | 48.06 | 13.88 | 4.39 | 3 | 43.32 | 6.10 | 3.52 |
| | 6 | 10 | 22.45 | 10.31 | 3.26 | 10 | 25.17 | 6.76 | 2.14 | 10 | 29.45 | 18.08 | 5.72 | 3 | 25.69 | 3.53 | 2.04 |
| | 7 | 10 | 85.43 | 37.40 | 11.83 | 10 | 110.94 | 19.64 | 6.21 | 10 | 124.40 | 43.68 | 13.81 | 3 | 106.92 | 19.79 | 11.43 |
| | 8 | 10 | 1.35 | 1.11 | 0.35 | 10 | 1.31 | 0.46 | 0.15 | 10 | 2.13 | 0.87 | 0.28 | 3 | 1.60 | 0.46 | 0.27 |
| | 9 | 10 | 152.20 | 34.61 | 10.95 | 10 | 233.26 | 61.04 | 19.30 | 10 | 215.17 | 72.46 | 22.91 | 3 | 200.21 | 42.55 | 24.57 |

PARAMETER = Total Power
CHANNEL = 3 (Continued)

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|--------|-------|---------------|----|--------|---------------|-------|----|------------|-------|-------|---|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| 600-Minute | 1 | 10 | 46.23 | 28.07 | 8.88 | 10 | 45.55 | 24.05 | 7.61 | 10 | 55.84 | 29.08 | 9.20 | 3 | 49.21 | 5.76 | 3.32 |
| | 2 | 10 | 18.95 | 14.72 | 4.66 | 10 | 17.95 | 7.42 | 2.35 | 10 | 31.32 | 13.89 | 4.39 | 3 | 22.74 | 7.45 | 4.30 |
| | 3 | 10 | 27.13 | 27.37 | 8.66 | 10 | 31.16 | 13.77 | 4.35 | 10 | 31.39 | 23.67 | 7.49 | 3 | 29.89 | 2.40 | 1.38 |
| | 4 | 10 | 16.29 | 10.52 | 3.33 | 10 | 27.20 | 9.00 | 2.85 | 10 | 19.52 | 10.15 | 3.21 | 3 | 21.00 | 5.60 | 3.24 |
| | 5 | 10 | 36.43 | 31.53 | 9.97 | 10 | 48.17 | 13.44 | 4.25 | 10 | 20.16 | 9.96 | 3.15 | 3 | 34.92 | 14.07 | 8.12 |
| | 6 | 10 | 16.91 | 12.95 | 4.10 | 10 | 29.99 | 5.86 | 1.85 | 10 | 18.76 | 19.72 | 6.24 | 3 | 21.88 | 7.08 | 4.09 |
| | 7 | 10 | 61.40 | 48.70 | 15.40 | 10 | 143.40 | 26.16 | 8.27 | 10 | 59.66 | 41.14 | 13.01 | 3 | 88.15 | 47.85 | 27.63 |
| | 8 | 10 | 1.00 | 1.21 | 0.38 | 10 | 1.46 | 0.64 | 0.20 | 10 | 0.75 | 0.40 | 0.13 | 3 | 1.07 | 0.36 | 0.21 |
| | 9 | 10 | 145.03 | 96.06 | 30.38 | 10 | 170.02 | 49.49 | 15.65 | 10 | 158.23 | 59.83 | 18.92 | 3 | 157.76 | 12.50 | 7.22 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|--------|-------|---------------|----|--------|---------------|-------|----|------------|-------|-------|---|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 83.74 | 70.56 | 22.31 | 10 | 42.76 | 19.74 | 6.24 | 10 | 69.34 | 52.18 | 16.50 | 3 | 65.28 | 20.79 | 12.00 |
| | 2 | 10 | 41.61 | 14.91 | 4.71 | 10 | 48.33 | 26.80 | 8.48 | 10 | 49.71 | 30.52 | 9.65 | 3 | 46.55 | 4.33 | 2.50 |
| | 3 | 10 | 45.42 | 16.43 | 5.20 | 10 | 44.41 | 16.40 | 5.19 | 10 | 38.40 | 14.70 | 4.65 | 3 | 42.74 | 3.79 | 2.19 |
| | 4 | 10 | 28.73 | 9.24 | 2.92 | 10 | 30.19 | 9.08 | 2.87 | 10 | 30.98 | 10.77 | 3.41 | 3 | 29.97 | 1.14 | 0.66 |
| | 5 | 10 | 35.77 | 12.59 | 3.98 | 10 | 53.19 | 23.67 | 7.49 | 10 | 41.69 | 13.03 | 4.12 | 3 | 43.55 | 8.86 | 5.11 |
| | 6 | 10 | 15.95 | 7.48 | 2.37 | 10 | 20.57 | 4.96 | 1.57 | 10 | 19.22 | 7.75 | 2.45 | 3 | 18.58 | 2.37 | 1.37 |
| | 7 | 10 | 62.49 | 21.57 | 6.82 | 10 | 90.40 | 20.37 | 6.44 | 10 | 79.68 | 21.07 | 6.66 | 3 | 77.52 | 14.08 | 8.13 |
| | 8 | 10 | 0.91 | 0.86 | 0.27 | 10 | 1.48 | 1.03 | 0.32 | 10 | 1.10 | 0.40 | 0.13 | 3 | 1.16 | 0.29 | 0.17 |
| | 9 | 10 | 235.26 | 92.15 | 29.14 | 10 | 218.87 | 49.55 | 15.67 | 10 | 230.12 | 63.92 | 20.21 | 3 | 228.09 | 8.38 | 4.84 |
| 30-Minute | 1 | 10 | 49.66 | 26.09 | 8.25 | 10 | 72.02 | 31.58 | 9.99 | 10 | 69.89 | 33.62 | 10.63 | 3 | 63.85 | 12.34 | 7.12 |
| | 2 | 10 | 29.52 | 14.16 | 4.48 | 10 | 43.44 | 30.41 | 9.62 | 10 | 37.65 | 22.39 | 7.08 | 3 | 36.87 | 7.00 | 4.04 |
| | 3 | 10 | 29.86 | 14.46 | 4.57 | 10 | 27.95 | 11.58 | 3.66 | 10 | 34.50 | 11.25 | 3.56 | 3 | 30.77 | 3.37 | 1.94 |
| | 4 | 10 | 24.29 | 6.42 | 2.03 | 10 | 23.89 | 4.34 | 1.37 | 10 | 26.17 | 10.25 | 3.24 | 3 | 24.79 | 1.21 | 0.70 |
| | 5 | 10 | 21.34 | 8.89 | 2.81 | 10 | 31.23 | 10.74 | 3.40 | 10 | 44.03 | 19.99 | 6.32 | 3 | 32.20 | 11.38 | 6.57 |
| | 6 | 10 | 16.61 | 3.58 | 1.13 | 10 | 17.41 | 7.58 | 2.40 | 10 | 24.55 | 7.05 | 2.23 | 3 | 19.52 | 4.37 | 2.53 |
| | 7 | 10 | 47.85 | 15.85 | 5.01 | 10 | 66.22 | 41.64 | 13.17 | 10 | 90.47 | 36.70 | 11.60 | 3 | 68.18 | 21.38 | 12.34 |
| | 8 | 10 | 0.73 | 0.31 | 0.10 | 10 | 0.87 | 0.60 | 0.19 | 10 | 1.77 | 1.09 | 0.35 | 3 | 1.12 | 0.56 | 0.33 |
| | 9 | 10 | 154.67 | 55.13 | 17.44 | 10 | 198.53 | 55.60 | 17.58 | 10 | 212.24 | 35.15 | 11.12 | 3 | 188.48 | 30.07 | 17.36 |
| 90-Minute | 1 | 10 | 94.77 | 50.13 | 15.85 | 10 | 58.20 | 43.11 | 13.63 | 10 | 79.23 | 34.72 | 10.98 | 3 | 77.40 | 18.35 | 10.59 |
| | 2 | 10 | 41.51 | 17.12 | 5.41 | 10 | 32.46 | 12.74 | 4.03 | 10 | 38.84 | 15.95 | 5.04 | 3 | 37.60 | 4.65 | 2.68 |
| | 3 | 10 | 56.38 | 27.47 | 8.69 | 10 | 37.79 | 15.50 | 4.90 | 10 | 41.03 | 25.74 | 8.14 | 3 | 45.07 | 9.93 | 5.73 |
| | 4 | 10 | 28.55 | 8.80 | 2.78 | 10 | 28.92 | 10.25 | 3.24 | 10 | 22.08 | 7.09 | 2.24 | 3 | 26.52 | 3.85 | 2.22 |
| | 5 | 10 | 35.27 | 13.26 | 4.19 | 10 | 44.34 | 18.03 | 5.70 | 10 | 30.69 | 18.46 | 5.84 | 3 | 36.76 | 6.95 | 4.01 |
| | 6 | 10 | 23.84 | 10.46 | 3.31 | 10 | 25.69 | 13.22 | 4.18 | 10 | 16.37 | 5.75 | 1.82 | 3 | 21.97 | 4.94 | 2.85 |
| | 7 | 10 | 88.66 | 35.18 | 11.13 | 10 | 86.79 | 30.53 | 9.65 | 10 | 59.62 | 19.38 | 6.13 | 3 | 78.36 | 16.25 | 9.38 |
| | 8 | 10 | 1.29 | 0.64 | 0.20 | 10 | 1.18 | 0.99 | 0.31 | 10 | 0.85 | 0.70 | 0.22 | 3 | 1.11 | 0.23 | 0.13 |
| | 9 | 10 | 256.47 | 77.34 | 24.46 | 10 | 201.72 | 60.80 | 19.23 | 10 | 211.87 | 49.89 | 15.78 | 3 | 223.35 | 29.13 | 16.82 |
| 300-Minute | 1 | 10 | 45.60 | 21.29 | 6.73 | 10 | 61.59 | 34.01 | 10.75 | 10 | 77.60 | 46.78 | 14.79 | 3 | 61.59 | 16.00 | 9.24 |
| | 2 | 10 | 29.78 | 8.24 | 2.60 | 10 | 42.81 | 15.03 | 4.75 | 10 | 43.36 | 22.25 | 7.04 | 3 | 38.65 | 7.69 | 4.44 |
| | 3 | 10 | 32.46 | 12.56 | 3.97 | 10 | 54.66 | 22.09 | 6.98 | 10 | 48.88 | 25.44 | 8.05 | 3 | 45.34 | 11.52 | 6.65 |
| | 4 | 10 | 27.40 | 10.73 | 3.39 | 10 | 42.73 | 16.47 | 5.21 | 10 | 24.64 | 6.28 | 1.99 | 3 | 31.59 | 9.75 | 5.63 |
| | 5 | 10 | 42.64 | 16.02 | 5.07 | 10 | 64.03 | 16.70 | 5.28 | 10 | 57.79 | 14.55 | 4.60 | 3 | 54.82 | 11.00 | 6.35 |
| | 6 | 10 | 21.51 | 8.67 | 2.74 | 10 | 32.57 | 9.65 | 3.05 | 10 | 24.65 | 7.79 | 2.46 | 3 | 26.24 | 5.70 | 3.29 |
| | 7 | 10 | 89.07 | 30.56 | 9.66 | 10 | 150.08 | 32.24 | 10.19 | 10 | 96.06 | 16.56 | 5.24 | 3 | 111.74 | 33.39 | 19.28 |
| | 8 | 10 | 0.91 | 0.67 | 0.21 | 10 | 1.91 | 0.86 | 0.27 | 10 | 1.41 | 0.71 | 0.22 | 3 | 1.41 | 0.50 | 0.29 |
| | 9 | 10 | 177.88 | 36.18 | 11.44 | 10 | 265.82 | 62.83 | 19.87 | 10 | 252.26 | 72.74 | 23.00 | 3 | 231.99 | 47.34 | 27.33 |

TASK: 89-09

DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 4 (Continued)

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|--------|--------|---------------|----|--------|---------------|-------|----|------------|--------|-------|---|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| 600-Minute | 1 | 10 | 40.38 | 17.05 | 5.39 | 10 | 44.08 | 25.64 | 8.11 | 10 | 72.33 | 50.62 | 16.01 | 3 | 52.26 | 17.47 | 10.09 |
| | 2 | 10 | 25.80 | 14.05 | 4.44 | 10 | 21.76 | 7.87 | 2.49 | 10 | 34.86 | 20.70 | 6.55 | 3 | 27.48 | 6.71 | 3.87 |
| | 3 | 10 | 40.98 | 45.56 | 14.41 | 10 | 30.63 | 11.99 | 3.79 | 10 | 43.33 | 36.55 | 11.56 | 3 | 38.31 | 6.76 | 3.90 |
| | 4 | 10 | 25.18 | 14.91 | 4.72 | 10 | 32.61 | 15.10 | 4.77 | 10 | 28.52 | 13.01 | 4.11 | 3 | 28.77 | 3.72 | 2.15 |
| | 5 | 10 | 42.39 | 32.16 | 10.17 | 10 | 45.07 | 19.78 | 6.26 | 10 | 32.29 | 18.52 | 5.86 | 3 | 39.92 | 6.74 | 3.89 |
| | 6 | 10 | 24.54 | 17.92 | 5.67 | 10 | 27.43 | 11.38 | 3.60 | 10 | 26.67 | 27.75 | 8.78 | 3 | 26.22 | 1.50 | 0.86 |
| | 7 | 10 | 98.18 | 102.38 | 32.38 | 10 | 128.74 | 67.18 | 21.24 | 10 | 72.32 | 51.91 | 16.42 | 3 | 99.74 | 28.24 | 16.31 |
| | 8 | 10 | 2.09 | 3.48 | 1.10 | 10 | 1.76 | 0.94 | 0.30 | 10 | 1.57 | 2.06 | 0.65 | 3 | 1.80 | 0.27 | 0.15 |
| | 9 | 10 | 174.74 | 99.02 | 31.31 | 10 | 174.16 | 50.35 | 15.92 | 10 | 211.32 | 103.04 | 32.58 | 3 | 186.74 | 21.29 | 12.29 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 28.33 | 10.32 | 3.26 | 10 | 22.37 | 11.48 | 3.63 | 10 | 31.01 | 12.86 | 4.07 | 3 | 27.24 | 4.42 | 2.55 |
| | 2 | 10 | 22.28 | 16.87 | 5.33 | 10 | 16.81 | 5.93 | 1.87 | 10 | 13.43 | 5.60 | 1.77 | 3 | 17.51 | 4.47 | 2.58 |
| | 3 | 10 | 23.27 | 11.07 | 3.50 | 10 | 18.68 | 6.60 | 2.09 | 10 | 15.18 | 5.05 | 1.60 | 3 | 19.04 | 4.06 | 2.34 |
| | 4 | 10 | 12.17 | 4.27 | 1.35 | 10 | 15.80 | 5.95 | 1.88 | 10 | 17.76 | 6.01 | 1.90 | 3 | 15.24 | 2.84 | 1.64 |
| | 5 | 10 | 19.63 | 8.41 | 2.66 | 10 | 26.33 | 8.80 | 2.78 | 10 | 22.62 | 10.38 | 3.28 | 3 | 22.86 | 3.36 | 1.94 |
| 30-Minute | 1 | 10 | 40.03 | 17.72 | 5.60 | 10 | 42.39 | 11.53 | 3.65 | 10 | 46.87 | 16.06 | 5.08 | 3 | 43.10 | 3.47 | 2.01 |
| | 2 | 10 | 14.24 | 4.89 | 1.55 | 10 | 13.34 | 5.93 | 1.88 | 10 | 19.25 | 7.54 | 2.38 | 3 | 15.61 | 3.18 | 1.84 |
| | 3 | 10 | 16.51 | 8.43 | 2.66 | 10 | 13.47 | 4.60 | 1.45 | 10 | 11.82 | 6.75 | 2.14 | 3 | 13.93 | 2.38 | 1.37 |
| | 4 | 10 | 12.92 | 4.65 | 1.47 | 10 | 15.40 | 5.89 | 1.86 | 10 | 10.32 | 4.38 | 1.38 | 3 | 12.88 | 2.54 | 1.47 |
| | 5 | 10 | 16.30 | 6.61 | 2.09 | 10 | 15.40 | 6.19 | 1.96 | 10 | 11.72 | 4.70 | 1.49 | 3 | 14.47 | 2.42 | 1.40 |
| 90-Minute | 1 | 10 | 30.37 | 10.97 | 3.47 | 10 | 37.89 | 11.39 | 3.60 | 10 | 46.71 | 12.81 | 4.05 | 3 | 38.32 | 8.18 | 4.72 |
| | 2 | 10 | 15.39 | 8.15 | 2.58 | 10 | 13.05 | 6.26 | 1.98 | 10 | 15.87 | 9.56 | 3.02 | 3 | 14.77 | 1.51 | 0.87 |
| | 3 | 10 | 13.56 | 3.73 | 1.18 | 10 | 12.60 | 3.77 | 1.19 | 10 | 11.28 | 3.54 | 1.12 | 3 | 12.48 | 1.15 | 0.66 |
| | 4 | 10 | 16.14 | 8.26 | 2.61 | 10 | 13.60 | 5.07 | 1.60 | 10 | 12.16 | 4.13 | 1.31 | 3 | 13.97 | 2.01 | 1.16 |
| | 5 | 10 | 24.54 | 7.05 | 2.23 | 10 | 22.86 | 10.03 | 3.17 | 10 | 13.98 | 6.42 | 2.03 | 3 | 20.46 | 5.67 | 3.28 |
| 300-Minute | 1 | 10 | 15.97 | 7.58 | 2.40 | 10 | 16.75 | 8.00 | 2.53 | 10 | 22.88 | 5.50 | 1.74 | 3 | 18.53 | 3.78 | 2.18 |
| | 2 | 10 | 7.73 | 3.05 | 0.97 | 10 | 9.14 | 3.27 | 1.04 | 10 | 11.48 | 2.73 | 0.86 | 3 | 9.45 | 1.89 | 1.09 |
| | 3 | 10 | 11.81 | 3.94 | 1.25 | 10 | 10.19 | 3.29 | 1.04 | 10 | 11.34 | 3.01 | 0.95 | 3 | 11.11 | 0.83 | 0.48 |
| | 4 | 10 | 34.53 | 10.55 | 3.34 | 10 | 27.91 | 9.89 | 3.13 | 10 | 23.73 | 6.54 | 2.07 | 3 | 28.73 | 5.44 | 3.14 |
| | 5 | 10 | 29.96 | 6.94 | 2.19 | 10 | 36.01 | 12.49 | 3.95 | 10 | 30.58 | 6.34 | 2.01 | 3 | 32.18 | 3.33 | 1.92 |
| 600-Minute | 1 | 10 | 15.45 | 6.06 | 1.92 | 10 | 19.55 | 8.15 | 2.58 | 10 | 24.36 | 7.17 | 2.27 | 3 | 19.79 | 4.46 | 2.57 |
| | 2 | 10 | 8.48 | 2.27 | 0.72 | 10 | 17.80 | 8.33 | 2.63 | 10 | 13.57 | 6.93 | 2.19 | 3 | 13.28 | 4.67 | 2.70 |
| | 3 | 10 | 14.34 | 3.88 | 1.23 | 10 | 14.49 | 6.36 | 2.01 | 10 | 16.76 | 4.86 | 1.54 | 3 | 15.20 | 1.35 | 0.78 |
| | 4 | 10 | 27.83 | 5.90 | 1.87 | 10 | 19.21 | 8.87 | 2.80 | 10 | 18.55 | 7.24 | 2.29 | 3 | 21.86 | 5.17 | 2.99 |
| | 5 | 10 | 33.91 | 6.89 | 2.18 | 10 | 28.94 | 10.26 | 3.24 | 10 | 26.77 | 11.30 | 3.57 | 3 | 29.87 | 3.66 | 2.11 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 25.45 | 13.95 | 4.41 | 10 | 21.22 | 9.94 | 3.14 | 10 | 26.89 | 7.72 | 2.44 |
| | 2 | 10 | 19.46 | 14.00 | 4.43 | 10 | 16.00 | 6.18 | 1.95 | 10 | 15.94 | 6.92 | 2.19 |
| | 3 | 10 | 26.51 | 10.57 | 3.34 | 10 | 22.69 | 5.20 | 1.64 | 10 | 22.84 | 4.06 | 1.28 |
| | 4 | 10 | 15.08 | 5.38 | 1.70 | 10 | 16.22 | 6.45 | 2.04 | 10 | 18.01 | 5.40 | 1.71 |
| | 5 | 10 | 17.15 | 8.06 | 2.55 | 10 | 23.87 | 10.98 | 3.47 | 10 | 16.31 | 6.85 | 2.17 |
| 30-Minute | 1 | 10 | 32.73 | 15.70 | 4.97 | 10 | 37.80 | 9.11 | 2.88 | 10 | 37.37 | 15.51 | 4.90 |
| | 2 | 10 | 14.80 | 6.29 | 1.99 | 10 | 15.91 | 4.97 | 1.57 | 10 | 22.85 | 7.12 | 2.25 |
| | 3 | 10 | 17.49 | 7.93 | 2.51 | 10 | 17.44 | 4.41 | 1.40 | 10 | 14.75 | 9.12 | 2.88 |
| | 4 | 10 | 14.53 | 2.95 | 0.93 | 10 | 16.82 | 3.12 | 0.99 | 10 | 12.91 | 3.48 | 1.10 |
| | 5 | 10 | 20.44 | 12.56 | 3.97 | 10 | 12.03 | 5.91 | 1.87 | 10 | 12.11 | 5.85 | 1.85 |
| 90-Minute | 1 | 10 | 24.90 | 11.19 | 3.54 | 10 | 31.18 | 13.91 | 4.40 | 10 | 41.36 | 7.88 | 2.49 |
| | 2 | 10 | 12.99 | 4.78 | 1.51 | 10 | 13.56 | 6.66 | 2.10 | 10 | 17.36 | 4.88 | 1.54 |
| | 3 | 10 | 20.34 | 8.11 | 2.56 | 10 | 13.42 | 4.46 | 1.41 | 10 | 13.87 | 3.56 | 1.13 |
| | 4 | 10 | 14.16 | 5.14 | 1.62 | 10 | 16.20 | 6.63 | 2.10 | 10 | 13.04 | 5.49 | 1.74 |
| | 5 | 10 | 27.60 | 7.65 | 2.42 | 10 | 25.64 | 11.85 | 3.75 | 10 | 14.36 | 5.56 | 1.76 |
| 300-Minute | 1 | 10 | 17.39 | 4.79 | 1.51 | 10 | 19.98 | 7.40 | 2.34 | 10 | 24.34 | 6.80 | 2.15 |
| | 2 | 10 | 9.28 | 2.83 | 0.89 | 10 | 8.45 | 4.12 | 1.30 | 10 | 12.28 | 4.79 | 1.52 |
| | 3 | 10 | 10.94 | 2.67 | 0.84 | 10 | 11.01 | 2.26 | 0.71 | 10 | 12.60 | 3.29 | 1.04 |
| | 4 | 10 | 31.05 | 9.73 | 3.08 | 10 | 25.38 | 7.29 | 2.31 | 10 | 21.86 | 5.33 | 1.69 |
| | 5 | 10 | 31.34 | 8.11 | 2.56 | 10 | 35.18 | 8.13 | 2.57 | 10 | 28.91 | 5.05 | 1.60 |
| 600-Minute | 1 | 10 | 18.02 | 7.12 | 2.25 | 10 | 21.17 | 8.08 | 2.56 | 10 | 26.74 | 14.49 | 4.58 |
| | 2 | 10 | 9.44 | 2.47 | 0.78 | 10 | 17.18 | 7.47 | 2.36 | 10 | 12.32 | 3.53 | 1.12 |
| | 3 | 10 | 13.49 | 4.03 | 1.27 | 10 | 15.90 | 4.42 | 1.40 | 10 | 16.39 | 4.94 | 1.56 |
| | 4 | 10 | 25.73 | 6.12 | 1.93 | 10 | 18.49 | 7.15 | 2.26 | 10 | 17.50 | 6.86 | 2.17 |
| | 5 | 10 | 33.31 | 8.50 | 2.69 | 10 | 27.27 | 10.24 | 3.24 | 10 | 27.05 | 10.72 | 3.39 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 24.95 | 9.21 | 2.91 | 10 | 26.95 | 11.25 | 3.56 | 10 | 26.20 | 9.10 | 2.88 | 3 | 26.03 | 1.01 | 0.58 |
| | 2 | 10 | 20.14 | 12.57 | 3.98 | 10 | 19.28 | 6.07 | 1.92 | 10 | 19.79 | 6.35 | 2.01 | 3 | 19.74 | 0.43 | 0.25 |
| | 3 | 10 | 12.20 | 5.78 | 1.83 | 10 | 12.67 | 2.83 | 0.89 | 10 | 17.50 | 5.79 | 1.83 | 3 | 14.12 | 2.93 | 1.69 |
| | 4 | 10 | 15.70 | 5.32 | 1.68 | 10 | 13.34 | 4.72 | 1.49 | 10 | 12.61 | 4.82 | 1.52 | 3 | 13.88 | 1.62 | 0.93 |
| | 5 | 10 | 30.19 | 10.70 | 3.38 | 10 | 27.76 | 8.78 | 2.78 | 10 | 23.91 | 9.97 | 3.15 | 3 | 27.29 | 3.17 | 1.83 |
| 30-Minute | 1 | 10 | 33.33 | 9.12 | 2.88 | 10 | 37.42 | 9.11 | 2.88 | 10 | 47.30 | 14.33 | 4.53 | 3 | 39.35 | 7.18 | 4.14 |
| | 2 | 10 | 17.75 | 9.08 | 2.87 | 10 | 13.18 | 5.81 | 1.84 | 10 | 12.03 | 4.32 | 1.37 | 3 | 14.32 | 3.03 | 1.75 |
| | 3 | 10 | 13.01 | 4.09 | 1.29 | 10 | 12.91 | 3.28 | 1.04 | 10 | 10.84 | 4.60 | 1.46 | 3 | 12.25 | 1.23 | 0.71 |
| | 4 | 10 | 11.48 | 4.82 | 1.52 | 10 | 15.98 | 3.87 | 1.22 | 10 | 12.82 | 5.75 | 1.82 | 3 | 13.43 | 2.31 | 1.33 |
| | 5 | 10 | 24.43 | 10.98 | 3.47 | 10 | 20.51 | 3.86 | 1.22 | 10 | 17.01 | 9.78 | 3.09 | 3 | 20.65 | 3.71 | 2.14 |
| 90-Minute | 1 | 10 | 33.54 | 17.66 | 5.58 | 10 | 38.98 | 14.36 | 4.54 | 10 | 36.79 | 9.08 | 2.87 | 3 | 36.44 | 2.74 | 1.58 |
| | 2 | 10 | 13.15 | 5.23 | 1.65 | 10 | 12.03 | 6.10 | 1.93 | 10 | 18.34 | 6.53 | 2.06 | 3 | 14.51 | 3.37 | 1.94 |
| | 3 | 10 | 10.96 | 2.47 | 0.78 | 10 | 12.47 | 4.16 | 1.31 | 10 | 14.44 | 6.90 | 2.18 | 3 | 12.62 | 1.75 | 1.01 |
| | 4 | 10 | 14.79 | 7.79 | 2.46 | 10 | 18.84 | 7.94 | 2.51 | 10 | 13.31 | 4.44 | 1.41 | 3 | 15.65 | 2.86 | 1.65 |
| | 5 | 10 | 27.56 | 11.55 | 3.65 | 10 | 17.68 | 7.10 | 2.25 | 10 | 17.11 | 7.31 | 2.31 | 3 | 20.79 | 5.88 | 3.39 |
| 300-Minute | 1 | 10 | 12.82 | 5.92 | 1.87 | 10 | 12.90 | 5.90 | 1.87 | 10 | 16.31 | 3.35 | 1.06 | 3 | 14.01 | 1.99 | 1.15 |
| | 2 | 10 | 5.91 | 2.90 | 0.92 | 10 | 7.32 | 3.11 | 0.98 | 10 | 9.51 | 2.58 | 0.82 | 3 | 7.58 | 1.81 | 1.05 |
| | 3 | 10 | 10.48 | 3.91 | 1.24 | 10 | 7.48 | 3.17 | 1.00 | 10 | 10.95 | 3.61 | 1.14 | 3 | 9.64 | 1.88 | 1.09 |
| | 4 | 10 | 36.20 | 11.43 | 3.61 | 10 | 33.11 | 10.24 | 3.24 | 10 | 26.87 | 7.95 | 2.51 | 3 | 32.06 | 4.75 | 2.74 |
| | 5 | 10 | 34.60 | 7.74 | 2.45 | 10 | 39.19 | 10.25 | 3.24 | 10 | 36.36 | 6.10 | 1.93 | 3 | 36.71 | 2.32 | 1.34 |
| 600-Minute | 1 | 10 | 8.73 | 2.62 | 0.83 | 10 | 15.87 | 7.19 | 2.27 | 10 | 19.47 | 10.88 | 3.44 | 3 | 14.69 | 5.47 | 3.16 |
| | 2 | 10 | 7.66 | 2.29 | 0.72 | 10 | 14.09 | 7.66 | 2.42 | 10 | 11.90 | 7.05 | 2.23 | 3 | 11.22 | 3.27 | 1.89 |
| | 3 | 10 | 14.22 | 3.50 | 1.11 | 10 | 13.39 | 5.84 | 1.85 | 10 | 18.58 | 6.78 | 2.14 | 3 | 15.39 | 2.79 | 1.61 |
| | 4 | 10 | 29.90 | 8.14 | 2.57 | 10 | 21.08 | 9.70 | 3.07 | 10 | 19.48 | 6.61 | 2.09 | 3 | 23.49 | 5.62 | 3.24 |
| | 5 | 10 | 39.50 | 5.98 | 1.89 | 10 | 35.57 | 11.49 | 3.63 | 10 | 30.58 | 10.90 | 3.45 | 3 | 35.22 | 4.47 | 2.58 |

PARAMETER = Percent Power
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 37.58 | 10.93 | 3.46 | 10 | 24.56 | 10.71 | 3.39 | 10 | 29.80 | 11.70 | 3.70 | 3 | 30.65 | 6.55 | 3.78 |
| | 2 | 10 | 26.39 | 14.34 | 4.53 | 10 | 19.42 | 4.26 | 1.35 | 10 | 20.91 | 7.64 | 2.42 | 3 | 22.24 | 3.67 | 2.12 |
| | 3 | 10 | 14.45 | 6.11 | 1.93 | 10 | 20.52 | 5.20 | 1.65 | 10 | 18.62 | 7.33 | 2.32 | 3 | 17.87 | 3.11 | 1.79 |
| | 4 | 10 | 11.70 | 2.13 | 0.67 | 10 | 13.75 | 6.83 | 2.16 | 10 | 11.11 | 4.39 | 1.39 | 3 | 12.19 | 1.39 | 0.80 |
| | 5 | 10 | 14.73 | 7.29 | 2.31 | 10 | 21.74 | 8.25 | 2.61 | 10 | 19.55 | 6.63 | 2.10 | 3 | 18.67 | 3.58 | 2.07 |
| 30-Minute | 1 | 10 | 36.58 | 11.41 | 3.61 | 10 | 34.44 | 10.10 | 3.19 | 10 | 43.24 | 13.48 | 4.26 | 3 | 38.09 | 4.59 | 2.65 |
| | 2 | 10 | 20.94 | 8.89 | 2.81 | 10 | 18.96 | 9.25 | 2.92 | 10 | 21.59 | 9.04 | 2.86 | 3 | 20.50 | 1.37 | 0.79 |
| | 3 | 10 | 16.99 | 5.80 | 1.83 | 10 | 17.00 | 6.02 | 1.90 | 10 | 14.31 | 7.07 | 2.23 | 3 | 16.10 | 1.55 | 0.90 |
| | 4 | 10 | 9.92 | 2.88 | 0.91 | 10 | 12.68 | 3.42 | 1.08 | 10 | 9.33 | 3.28 | 1.04 | 3 | 10.64 | 1.79 | 1.03 |
| | 5 | 10 | 15.56 | 6.00 | 1.90 | 10 | 16.92 | 5.13 | 1.62 | 10 | 11.53 | 5.64 | 1.78 | 3 | 14.67 | 2.80 | 1.62 |
| 90-Minute | 1 | 10 | 32.32 | 17.30 | 5.47 | 10 | 39.74 | 13.95 | 4.41 | 10 | 37.85 | 13.61 | 4.30 | 3 | 36.64 | 3.86 | 2.23 |
| | 2 | 10 | 14.22 | 4.46 | 1.41 | 10 | 15.03 | 6.34 | 2.00 | 10 | 19.94 | 8.97 | 2.84 | 3 | 16.40 | 3.09 | 1.79 |
| | 3 | 10 | 12.82 | 6.36 | 2.01 | 10 | 13.90 | 4.78 | 1.51 | 10 | 15.34 | 6.85 | 2.17 | 3 | 14.02 | 1.26 | 0.73 |
| | 4 | 10 | 16.96 | 5.53 | 1.75 | 10 | 12.19 | 4.79 | 1.52 | 10 | 10.41 | 4.15 | 1.31 | 3 | 13.19 | 3.38 | 1.95 |
| | 5 | 10 | 23.69 | 9.63 | 3.05 | 10 | 19.14 | 8.28 | 2.62 | 10 | 16.46 | 7.55 | 2.39 | 3 | 19.76 | 3.65 | 2.11 |
| 300-Minute | 1 | 10 | 13.54 | 5.17 | 1.64 | 10 | 13.27 | 3.86 | 1.22 | 10 | 14.05 | 4.16 | 1.32 | 3 | 13.62 | 0.39 | 0.23 |
| | 2 | 10 | 6.81 | 2.52 | 0.80 | 10 | 6.21 | 2.79 | 0.88 | 10 | 10.23 | 4.11 | 1.30 | 3 | 7.75 | 2.17 | 1.25 |
| | 3 | 10 | 9.46 | 2.68 | 0.85 | 10 | 10.26 | 3.76 | 1.19 | 10 | 11.85 | 3.75 | 1.18 | 3 | 10.52 | 1.22 | 0.70 |
| | 4 | 10 | 32.61 | 10.17 | 3.22 | 10 | 30.61 | 10.34 | 3.27 | 10 | 27.94 | 9.00 | 2.85 | 3 | 30.39 | 2.34 | 1.35 |
| | 5 | 10 | 37.59 | 11.01 | 3.48 | 10 | 39.65 | 8.70 | 2.75 | 10 | 35.93 | 4.56 | 1.44 | 3 | 37.73 | 1.86 | 1.08 |
| 600-Minute | 1 | 10 | 14.80 | 6.59 | 2.09 | 10 | 15.34 | 7.92 | 2.50 | 10 | 18.69 | 10.30 | 3.26 | 3 | 16.28 | 2.11 | 1.22 |
| | 2 | 10 | 8.39 | 2.78 | 0.88 | 10 | 11.45 | 4.91 | 1.55 | 10 | 11.77 | 6.11 | 1.93 | 3 | 10.54 | 1.87 | 1.08 |
| | 3 | 10 | 12.28 | 4.68 | 1.48 | 10 | 14.52 | 4.94 | 1.56 | 10 | 18.66 | 5.75 | 1.82 | 3 | 15.15 | 3.24 | 1.87 |
| | 4 | 10 | 26.91 | 6.85 | 2.17 | 10 | 21.56 | 6.63 | 2.10 | 10 | 19.98 | 7.04 | 2.23 | 3 | 22.82 | 3.63 | 2.10 |
| | 5 | 10 | 37.63 | 8.22 | 2.60 | 10 | 37.12 | 11.52 | 3.64 | 10 | 30.90 | 10.80 | 3.42 | 3 | 35.22 | 3.74 | 2.16 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | |
| Baseline | 1 | 10 | 2.12 | 0.23 | 0.07 | 10 | 1.90 | 0.21 | 0.07 | 10 | 1.95 | 0.34 | 0.11 | 0.07 |
| | 2 | 10 | 5.35 | 1.25 | 0.40 | 10 | 6.08 | 0.34 | 0.11 | 10 | 5.48 | 0.30 | 0.10 | 0.22 |
| | 3 | 10 | 10.20 | 0.42 | 0.13 | 10 | 9.96 | 0.39 | 0.12 | 10 | 10.42 | 0.41 | 0.13 | 0.13 |
| | 4 | 10 | 15.15 | 0.35 | 0.11 | 10 | 15.44 | 0.37 | 0.12 | 10 | 15.28 | 0.45 | 0.14 | 0.08 |
| | 5 | 10 | 21.40 | 0.41 | 0.13 | 10 | 21.10 | 0.66 | 0.21 | 10 | 21.16 | 0.60 | 0.19 | 0.09 |
| 30-Minute | 9 | 10 | 9.97 | 1.85 | 0.59 | 10 | 11.29 | 1.94 | 0.61 | 10 | 10.42 | 2.39 | 0.76 | 0.39 |
| | 1 | 10 | 2.01 | 0.25 | 0.08 | 10 | 2.00 | 0.16 | 0.05 | 10 | 1.83 | 0.26 | 0.08 | 0.06 |
| | 2 | 10 | 5.68 | 0.49 | 0.15 | 10 | 5.59 | 0.21 | 0.07 | 10 | 5.51 | 0.22 | 0.07 | 0.05 |
| | 3 | 10 | 9.86 | 0.43 | 0.14 | 10 | 10.13 | 0.36 | 0.11 | 10 | 10.25 | 0.41 | 0.13 | 0.12 |
| | 4 | 10 | 15.13 | 0.25 | 0.08 | 10 | 15.26 | 0.31 | 0.10 | 10 | 14.86 | 0.17 | 0.06 | 0.12 |
| 90-Minute | 5 | 10 | 21.21 | 0.37 | 0.12 | 10 | 21.18 | 0.59 | 0.19 | 10 | 21.15 | 0.35 | 0.11 | 0.02 |
| | 9 | 10 | 8.63 | 2.17 | 0.69 | 10 | 8.54 | 1.43 | 0.45 | 10 | 7.12 | 1.78 | 0.56 | 0.49 |
| | 1 | 10 | 1.86 | 0.44 | 0.14 | 10 | 1.90 | 0.30 | 0.10 | 10 | 1.78 | 0.21 | 0.06 | 0.03 |
| | 2 | 10 | 5.63 | 0.38 | 0.12 | 10 | 5.56 | 0.20 | 0.06 | 10 | 5.26 | 0.31 | 0.10 | 0.11 |
| | 3 | 10 | 10.35 | 0.49 | 0.15 | 10 | 10.41 | 0.43 | 0.14 | 10 | 10.18 | 0.45 | 0.14 | 0.07 |
| 300-Minute | 4 | 10 | 15.22 | 0.37 | 0.12 | 10 | 15.32 | 0.36 | 0.11 | 10 | 15.17 | 0.45 | 0.14 | 0.04 |
| | 5 | 10 | 21.26 | 0.46 | 0.15 | 10 | 21.20 | 0.46 | 0.15 | 10 | 21.29 | 0.45 | 0.14 | 0.03 |
| | 9 | 10 | 10.50 | 2.05 | 0.65 | 10 | 9.68 | 2.05 | 0.65 | 10 | 7.64 | 1.44 | 0.46 | 0.85 |
| | 1 | 10 | 2.08 | 0.31 | 0.10 | 10 | 2.16 | 0.25 | 0.08 | 10 | 2.10 | 0.24 | 0.08 | 0.02 |
| | 2 | 10 | 5.76 | 0.30 | 0.09 | 10 | 5.69 | 0.32 | 0.10 | 10 | 5.66 | 0.24 | 0.08 | 0.03 |
| 600-Minute | 3 | 10 | 10.44 | 0.47 | 0.15 | 10 | 10.50 | 0.35 | 0.11 | 10 | 10.31 | 0.38 | 0.12 | 0.06 |
| | 4 | 10 | 15.47 | 0.38 | 0.12 | 10 | 15.67 | 0.35 | 0.11 | 10 | 15.43 | 0.45 | 0.14 | 0.07 |
| | 5 | 10 | 20.71 | 0.52 | 0.16 | 10 | 20.93 | 0.55 | 0.17 | 10 | 21.16 | 0.72 | 0.23 | 0.13 |
| | 9 | 10 | 13.56 | 1.26 | 0.40 | 10 | 13.85 | 1.73 | 0.55 | 10 | 12.42 | 1.00 | 0.32 | 0.44 |
| | 1 | 10 | 2.20 | 0.25 | 0.08 | 10 | 2.20 | 0.23 | 0.07 | 10 | 2.02 | 0.27 | 0.09 | 0.06 |
| | 2 | 10 | 5.51 | 0.32 | 0.10 | 10 | 5.50 | 0.30 | 0.10 | 10 | 5.59 | 0.52 | 0.16 | 0.03 |
| | 3 | 10 | 10.30 | 0.30 | 0.09 | 10 | 10.10 | 0.38 | 0.12 | 10 | 10.36 | 0.49 | 0.16 | 0.08 |
| | 4 | 10 | 15.27 | 0.52 | 0.16 | 10 | 15.21 | 0.39 | 0.12 | 10 | 15.35 | 0.31 | 0.10 | 0.04 |
| | 5 | 10 | 21.29 | 0.48 | 0.15 | 10 | 21.43 | 0.53 | 0.17 | 10 | 21.42 | 0.48 | 0.15 | 0.05 |
| | 9 | 10 | 13.77 | 1.10 | 0.35 | 10 | 11.98 | 1.85 | 0.59 | 10 | 11.63 | 1.99 | 0.63 | 0.66 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | |
| Baseline | 1 | 10 | 2.20 | 0.26 | 0.08 | 10 | 2.05 | 0.28 | 0.09 | 10 | 1.91 | 0.31 | 0.10 | 0.08 |
| | 2 | 10 | 5.54 | 0.89 | 0.28 | 10 | 5.81 | 0.39 | 0.12 | 10 | 5.61 | 0.31 | 0.10 | 0.08 |
| | 3 | 10 | 10.28 | 0.45 | 0.14 | 10 | 10.18 | 0.40 | 0.13 | 10 | 10.24 | 0.32 | 0.10 | 0.03 |
| | 4 | 10 | 15.07 | 0.38 | 0.12 | 10 | 15.11 | 0.44 | 0.14 | 10 | 14.99 | 0.53 | 0.17 | 0.04 |
| | 5 | 10 | 21.25 | 0.56 | 0.18 | 10 | 20.83 | 0.40 | 0.13 | 10 | 21.20 | 0.50 | 0.16 | 0.13 |
| | 9 | 10 | 10.13 | 2.13 | 0.67 | 10 | 11.12 | 2.40 | 0.76 | 10 | 9.91 | 1.60 | 0.51 | 0.37 |
| 30-Minute | 1 | 10 | 2.11 | 0.27 | 0.09 | 10 | 2.13 | 0.19 | 0.06 | 10 | 1.92 | 0.26 | 0.08 | 0.07 |
| | 2 | 10 | 5.74 | 0.54 | 0.17 | 10 | 5.40 | 0.30 | 0.10 | 10 | 5.42 | 0.27 | 0.08 | 0.11 |
| | 3 | 10 | 10.08 | 0.42 | 0.13 | 10 | 10.39 | 0.26 | 0.08 | 10 | 10.15 | 0.26 | 0.08 | 0.09 |
| | 4 | 10 | 15.02 | 0.51 | 0.16 | 10 | 14.96 | 0.42 | 0.13 | 10 | 14.87 | 0.17 | 0.05 | 0.04 |
| | 5 | 10 | 21.11 | 0.57 | 0.18 | 10 | 20.97 | 0.59 | 0.19 | 10 | 20.93 | 0.56 | 0.18 | 0.06 |
| | 9 | 10 | 9.78 | 2.37 | 0.75 | 10 | 8.51 | 1.29 | 0.41 | 10 | 7.92 | 1.64 | 0.52 | 0.55 |
| 90-Minute | 1 | 10 | 2.00 | 0.48 | 0.15 | 10 | 2.27 | 0.24 | 0.07 | 10 | 1.84 | 0.17 | 0.05 | 0.13 |
| | 2 | 10 | 5.48 | 0.29 | 0.09 | 10 | 5.45 | 0.35 | 0.11 | 10 | 5.35 | 0.34 | 0.11 | 0.04 |
| | 3 | 10 | 10.35 | 0.44 | 0.14 | 10 | 10.47 | 0.59 | 0.19 | 10 | 10.38 | 0.43 | 0.14 | 0.04 |
| | 4 | 10 | 15.19 | 0.32 | 0.10 | 10 | 14.97 | 0.58 | 0.18 | 10 | 15.31 | 0.39 | 0.12 | 0.10 |
| | 5 | 10 | 21.17 | 0.65 | 0.21 | 10 | 20.97 | 0.62 | 0.20 | 10 | 20.88 | 0.32 | 0.10 | 0.09 |
| | 9 | 10 | 11.32 | 1.68 | 0.53 | 10 | 10.70 | 2.72 | 0.86 | 10 | 8.12 | 0.84 | 0.27 | 0.98 |
| 300-Minute | 1 | 10 | 2.18 | 0.23 | 0.07 | 10 | 2.08 | 0.31 | 0.10 | 10 | 2.14 | 0.27 | 0.09 | 0.03 |
| | 2 | 10 | 5.62 | 0.45 | 0.14 | 10 | 5.65 | 0.24 | 0.08 | 10 | 5.66 | 0.25 | 0.08 | 0.01 |
| | 3 | 10 | 10.44 | 0.34 | 0.11 | 10 | 10.39 | 0.31 | 0.10 | 10 | 10.39 | 0.36 | 0.12 | 0.02 |
| | 4 | 10 | 15.51 | 0.34 | 0.11 | 10 | 15.59 | 0.27 | 0.08 | 10 | 15.45 | 0.47 | 0.15 | 0.04 |
| | 5 | 10 | 21.01 | 0.52 | 0.17 | 10 | 20.81 | 0.58 | 0.18 | 10 | 21.21 | 0.59 | 0.19 | 0.12 |
| | 9 | 10 | 13.45 | 0.71 | 0.22 | 10 | 13.31 | 1.31 | 0.42 | 10 | 12.01 | 1.02 | 0.32 | 0.46 |
| 600-Minute | 1 | 10 | 2.15 | 0.29 | 0.09 | 10 | 2.18 | 0.27 | 0.09 | 10 | 1.92 | 0.23 | 0.07 | 0.08 |
| | 2 | 10 | 5.51 | 0.35 | 0.11 | 10 | 5.50 | 0.42 | 0.13 | 10 | 5.67 | 0.35 | 0.11 | 0.06 |
| | 3 | 10 | 10.25 | 0.44 | 0.14 | 10 | 10.22 | 0.42 | 0.13 | 10 | 10.45 | 0.47 | 0.15 | 0.07 |
| | 4 | 10 | 15.27 | 0.46 | 0.15 | 10 | 15.14 | 0.56 | 0.18 | 10 | 15.12 | 0.39 | 0.12 | 0.05 |
| | 5 | 10 | 21.49 | 0.54 | 0.17 | 10 | 21.28 | 0.40 | 0.13 | 10 | 21.64 | 0.65 | 0.21 | 0.10 |
| | 9 | 10 | 13.38 | 1.44 | 0.45 | 10 | 11.64 | 1.78 | 0.56 | 10 | 11.46 | 2.58 | 0.82 | 0.61 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. |
|------------|------------|--------------|-------|------|---------------|-------|------|---------------|-------|------|------------|------|------|
| | | N | Mean | Std. | N | Mean | Std. | N | Mean | Std. | Mean | Std. | |
| Baseline | 1 | 10 | 2.14 | 0.20 | 10 | 2.14 | 0.18 | 10 | 2.27 | 0.21 | 2.18 | 0.07 | 0.04 |
| | 2 | 10 | 5.30 | 0.74 | 10 | 5.65 | 0.22 | 10 | 5.51 | 0.24 | 5.49 | 0.17 | 0.10 |
| | 3 | 10 | 10.36 | 0.42 | 10 | 10.08 | 0.39 | 10 | 10.13 | 0.43 | 10.19 | 0.15 | 0.09 |
| | 4 | 10 | 15.24 | 0.48 | 10 | 15.20 | 0.45 | 10 | 15.14 | 0.45 | 15.19 | 0.05 | 0.03 |
| | 5 | 10 | 20.87 | 0.51 | 10 | 21.45 | 0.72 | 10 | 21.15 | 0.48 | 21.16 | 0.29 | 0.17 |
| 30-Minute | 9 | 10 | 11.45 | 1.92 | 10 | 10.96 | 2.15 | 10 | 10.43 | 1.91 | 10.95 | 0.51 | 0.29 |
| | 1 | 10 | 2.08 | 0.27 | 10 | 1.92 | 0.23 | 10 | 1.88 | 0.19 | 1.96 | 0.10 | 0.06 |
| | 2 | 10 | 5.35 | 0.30 | 10 | 5.51 | 0.34 | 10 | 5.47 | 0.30 | 5.44 | 0.08 | 0.05 |
| | 3 | 10 | 10.22 | 0.36 | 10 | 10.39 | 0.41 | 10 | 10.39 | 0.39 | 10.33 | 0.09 | 0.05 |
| | 4 | 10 | 15.29 | 0.46 | 10 | 15.65 | 0.41 | 10 | 15.50 | 0.53 | 15.48 | 0.18 | 0.10 |
| 90-Minute | 5 | 10 | 21.27 | 0.38 | 10 | 21.14 | 0.69 | 10 | 20.93 | 0.65 | 21.11 | 0.17 | 0.10 |
| | 9 | 10 | 9.93 | 2.30 | 10 | 9.60 | 0.98 | 10 | 8.22 | 2.29 | 9.25 | 0.91 | 0.52 |
| | 1 | 10 | 2.10 | 0.33 | 10 | 2.00 | 0.25 | 10 | 2.10 | 0.28 | 2.07 | 0.06 | 0.03 |
| | 2 | 10 | 5.58 | 0.27 | 10 | 5.54 | 0.28 | 10 | 5.59 | 0.23 | 5.57 | 0.03 | 0.02 |
| | 3 | 10 | 10.21 | 0.36 | 10 | 10.40 | 0.22 | 10 | 10.11 | 0.51 | 10.24 | 0.15 | 0.09 |
| 300-Minute | 4 | 10 | 15.09 | 0.47 | 10 | 15.20 | 0.43 | 10 | 15.11 | 0.37 | 15.13 | 0.06 | 0.03 |
| | 5 | 10 | 21.45 | 0.62 | 10 | 21.23 | 0.79 | 10 | 21.39 | 0.56 | 21.36 | 0.12 | 0.07 |
| | 9 | 10 | 10.69 | 2.74 | 10 | 9.31 | 2.05 | 10 | 8.92 | 1.64 | 9.64 | 0.93 | 0.53 |
| | 1 | 10 | 2.02 | 0.30 | 10 | 2.14 | 0.26 | 10 | 2.03 | 0.35 | 2.07 | 0.07 | 0.04 |
| | 2 | 10 | 5.78 | 0.27 | 10 | 5.57 | 0.33 | 10 | 5.77 | 0.41 | 5.71 | 0.12 | 0.07 |
| 600-Minute | 3 | 10 | 10.31 | 0.43 | 10 | 10.48 | 0.38 | 10 | 10.31 | 0.54 | 10.36 | 0.10 | 0.06 |
| | 4 | 10 | 15.59 | 0.42 | 10 | 15.64 | 0.37 | 10 | 15.54 | 0.46 | 15.59 | 0.05 | 0.03 |
| | 5 | 10 | 20.78 | 0.53 | 10 | 21.11 | 0.70 | 10 | 21.13 | 0.69 | 21.01 | 0.20 | 0.11 |
| | 9 | 10 | 14.52 | 1.11 | 10 | 14.87 | 1.43 | 10 | 13.86 | 0.67 | 14.42 | 0.51 | 0.29 |
| | 1 | 10 | 2.25 | 0.25 | 10 | 2.20 | 0.23 | 10 | 1.98 | 0.22 | 2.14 | 0.14 | 0.08 |
| | 2 | 10 | 5.68 | 0.19 | 10 | 5.49 | 0.29 | 10 | 5.66 | 0.42 | 5.61 | 0.10 | 0.06 |
| | 3 | 10 | 10.24 | 0.25 | 10 | 10.31 | 0.37 | 10 | 10.44 | 0.50 | 10.33 | 0.10 | 0.06 |
| | 4 | 10 | 15.39 | 0.55 | 10 | 15.29 | 0.44 | 10 | 15.22 | 0.41 | 15.30 | 0.09 | 0.05 |
| | 5 | 10 | 21.35 | 0.63 | 10 | 21.39 | 0.41 | 10 | 21.47 | 0.54 | 21.41 | 0.06 | 0.03 |
| | 9 | 10 | 15.16 | 0.55 | 10 | 13.34 | 1.77 | 10 | 12.59 | 2.15 | 13.70 | 1.32 | 0.76 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | |
| Baseline | 1 | 10 | 2.18 | 0.27 | 0.08 | 10 | 2.19 | 0.20 | 0.06 | 10 | 2.08 | 0.27 | 0.09 |
| | 2 | 10 | 5.17 | 0.83 | 0.26 | 10 | 5.87 | 0.18 | 0.06 | 10 | 5.54 | 0.30 | 0.10 |
| | 3 | 10 | 10.29 | 0.47 | 0.15 | 10 | 10.16 | 0.24 | 0.08 | 10 | 10.28 | 0.25 | 0.08 |
| | 4 | 10 | 15.13 | 0.45 | 0.14 | 10 | 15.20 | 0.28 | 0.09 | 10 | 14.92 | 0.40 | 0.13 |
| | 5 | 10 | 21.19 | 0.52 | 0.17 | 10 | 21.35 | 0.48 | 0.15 | 10 | 21.39 | 0.47 | 0.15 |
| 30-Minute | 9 | 10 | 8.39 | 1.60 | 0.51 | 10 | 10.50 | 2.10 | 0.66 | 10 | 9.52 | 1.47 | 0.46 |
| | 1 | 10 | 2.24 | 0.24 | 0.08 | 10 | 2.04 | 0.25 | 0.08 | 10 | 1.89 | 0.21 | 0.07 |
| | 2 | 10 | 5.61 | 0.37 | 0.12 | 10 | 5.47 | 0.24 | 0.08 | 10 | 5.44 | 0.16 | 0.05 |
| | 3 | 10 | 10.07 | 0.36 | 0.12 | 10 | 10.21 | 0.28 | 0.09 | 10 | 10.16 | 0.50 | 0.16 |
| | 4 | 10 | 15.17 | 0.45 | 0.14 | 10 | 15.24 | 0.46 | 0.15 | 10 | 15.07 | 0.37 | 0.12 |
| 90-Minute | 5 | 10 | 21.30 | 0.38 | 0.12 | 10 | 21.09 | 0.73 | 0.23 | 10 | 21.25 | 0.26 | 0.08 |
| | 9 | 10 | 8.52 | 1.55 | 0.49 | 10 | 8.96 | 0.93 | 0.29 | 10 | 7.33 | 1.65 | 0.52 |
| | 1 | 10 | 2.14 | 0.29 | 0.09 | 10 | 1.91 | 0.23 | 0.07 | 10 | 2.15 | 0.26 | 0.08 |
| | 2 | 10 | 5.68 | 0.26 | 0.08 | 10 | 5.56 | 0.20 | 0.06 | 10 | 5.55 | 0.25 | 0.08 |
| | 3 | 10 | 10.05 | 0.37 | 0.12 | 10 | 10.43 | 0.29 | 0.09 | 10 | 10.17 | 0.40 | 0.13 |
| 300-Minute | 4 | 10 | 15.12 | 0.47 | 0.15 | 10 | 15.11 | 0.41 | 0.13 | 10 | 15.10 | 0.56 | 0.18 |
| | 5 | 10 | 21.08 | 0.33 | 0.10 | 10 | 21.40 | 0.42 | 0.13 | 10 | 21.18 | 0.32 | 0.10 |
| | 9 | 10 | 10.30 | 2.56 | 0.81 | 10 | 8.98 | 2.17 | 0.69 | 10 | 8.51 | 1.52 | 0.48 |
| | 1 | 10 | 2.09 | 0.29 | 0.09 | 10 | 2.05 | 0.21 | 0.07 | 10 | 2.20 | 0.27 | 0.09 |
| | 2 | 10 | 5.63 | 0.34 | 0.11 | 10 | 5.83 | 0.28 | 0.09 | 10 | 5.74 | 0.34 | 0.11 |
| 600-Minute | 3 | 10 | 10.56 | 0.46 | 0.14 | 10 | 10.48 | 0.34 | 0.11 | 10 | 10.45 | 0.43 | 0.14 |
| | 4 | 10 | 15.49 | 0.31 | 0.10 | 10 | 15.68 | 0.46 | 0.14 | 10 | 15.50 | 0.56 | 0.18 |
| | 5 | 10 | 20.62 | 0.35 | 0.11 | 10 | 20.92 | 0.59 | 0.19 | 10 | 21.11 | 0.73 | 0.23 |
| | 9 | 10 | 14.47 | 1.15 | 0.36 | 10 | 14.74 | 0.75 | 0.24 | 10 | 14.04 | 1.15 | 0.36 |
| | 1 | 10 | 2.14 | 0.19 | 0.06 | 10 | 2.25 | 0.32 | 0.10 | 10 | 2.09 | 0.35 | 0.11 |
| | 2 | 10 | 5.53 | 0.40 | 0.13 | 10 | 5.55 | 0.47 | 0.15 | 10 | 5.80 | 0.30 | 0.10 |
| | 3 | 10 | 10.23 | 0.32 | 0.10 | 10 | 10.24 | 0.37 | 0.12 | 10 | 10.45 | 0.58 | 0.18 |
| | 4 | 10 | 15.33 | 0.48 | 0.15 | 10 | 15.22 | 0.55 | 0.17 | 10 | 15.13 | 0.29 | 0.09 |
| | 5 | 10 | 21.28 | 0.48 | 0.15 | 10 | 21.14 | 0.52 | 0.16 | 10 | 21.67 | 0.49 | 0.15 |
| | 9 | 10 | 14.18 | 1.31 | 0.41 | 10 | 13.63 | 1.87 | 0.59 | 10 | 12.79 | 2.40 | 0.76 |
| | 1 | 10 | 2.14 | 0.19 | 0.06 | 10 | 2.25 | 0.32 | 0.10 | 10 | 2.09 | 0.35 | 0.11 |
| | 2 | 10 | 5.53 | 0.40 | 0.13 | 10 | 5.55 | 0.47 | 0.15 | 10 | 5.80 | 0.30 | 0.10 |
| | 3 | 10 | 10.23 | 0.32 | 0.10 | 10 | 10.24 | 0.37 | 0.12 | 10 | 10.45 | 0.58 | 0.18 |
| | 4 | 10 | 15.33 | 0.48 | 0.15 | 10 | 15.22 | 0.55 | 0.17 | 10 | 15.13 | 0.29 | 0.09 |
| | 5 | 10 | 21.28 | 0.48 | 0.15 | 10 | 21.14 | 0.52 | 0.16 | 10 | 21.67 | 0.49 | 0.15 |
| | 9 | 10 | 14.18 | 1.31 | 0.41 | 10 | 13.63 | 1.87 | 0.59 | 10 | 12.79 | 2.40 | 0.76 |
| | 1 | 10 | 2.14 | 0.19 | 0.06 | 10 | 2.25 | 0.32 | 0.10 | 10 | 2.09 | 0.35 | 0.11 |
| | 2 | 10 | 5.53 | 0.40 | 0.13 | 10 | 5.55 | 0.47 | 0.15 | 10 | 5.80 | 0.30 | 0.10 |
| | 3 | 10 | 10.23 | 0.32 | 0.10 | 10 | 10.24 | 0.37 | 0.12 | 10 | 10.45 | 0.58 | 0.18 |
| | 4 | 10 | 15.33 | 0.48 | 0.15 | 10 | 15.22 | 0.55 | 0.17 | 10 | 15.13 | 0.29 | 0.09 |
| | 5 | 10 | 21.28 | 0.48 | 0.15 | 10 | 21.14 | 0.52 | 0.16 | 10 | 21.67 | 0.49 | 0.15 |
| | 9 | 10 | 14.18 | 1.31 | 0.41 | 10 | 13.63 | 1.87 | 0.59 | 10 | 12.79 | 2.40 | 0.76 |
| | 1 | 10 | 2.14 | 0.19 | 0.06 | 10 | 2.25 | 0.32 | 0.10 | 10 | 2.09 | 0.35 | 0.11 |
| | 2 | 10 | 5.53 | 0.40 | 0.13 | 10 | 5.55 | 0.47 | 0.15 | 10 | 5.80 | 0.30 | 0.10 |
| | 3 | 10 | 10.23 | 0.32 | 0.10 | 10 | 10.24 | 0.37 | 0.12 | 10 | 10.45 | 0.58 | 0.18 |
| | 4 | 10 | 15.33 | 0.48 | 0.15 | 10 | 15.22 | 0.55 | 0.17 | 10 | 15.13 | 0.29 | 0.09 |
| | 5 | 10 | 21.28 | 0.48 | 0.15 | 10 | 21.14 | 0.52 | 0.16 | 10 | 21.67 | 0.49 | 0.15 |
| | 9 | 10 | 14.18 | 1.31 | 0.41 | 10 | 13.63 | 1.87 | 0.59 | 10 | 12.79 | 2.40 | 0.76 |
| | 1 | 10 | 2.14 | 0.19 | 0.06 | 10 | 2.25 | 0.32 | 0.10 | 10 | 2.09 | 0.35 | 0.11 |
| | 2 | 10 | 5.53 | 0.40 | 0.13 | 10 | 5.55 | 0.47 | 0.15 | 10 | 5.80 | 0.30 | 0.10 |
| | 3 | 10 | 10.23 | 0.32 | 0.10 | 10 | 10.24 | 0.37 | 0.12 | 10 | 10.45 | 0.58 | 0.18 |
| | 4 | 10 | 15.33 | 0.48 | 0.15 | 10 | 15.22 | 0.55 | 0.17 | 10 | 15.13 | 0.29 | 0.09 |
| | 5 | 10 | 21.28 | 0.48 | 0.15 | 10 | 21.14 | 0.52 | 0.16 | 10 | 21.67 | 0.49 | 0.15 |
| | 9 | 10 | 14.18 | 1.31 | 0.41 | 10 | 13.63 | 1.87 | 0.59 | 10 | 12.79 | 2.40 | 0.76 |
| | 1 | 10 | 2.14 | 0.19 | 0.06 | 10 | 2.25 | 0.32 | 0.10 | 10 | 2.09 | 0.35 | 0.11 |
| | 2 | 10 | 5.53 | 0.40 | 0.13 | 10 | 5.55 | 0.47 | 0.15 | 10 | 5.80 | 0.30 | 0.10 |
| | 3 | 10 | 10.23 | 0.32 | 0.10 | 10 | 10.24 | 0.37 | 0.12 | 10 | 10.45 | 0.58 | 0.18 |
| | 4 | 10 | 15.33 | 0.48 | 0.15 | 10 | 15.22 | 0.55 | 0.17 | 10 | 15.13 | 0.29 | 0.09 |
| | 5 | 10 | 21.28 | 0.48 | 0.15 | 10 | 21.14 | 0.52 | 0.16 | 10 | 21.67 | 0.49 | 0.15 |
| | 9 | 10 | 14.18 | 1.31 | 0.41 | 10 | 13.63 | 1.87 | 0.59 | 10 | 12.79 | 2.40 | 0.76 |
| | 1 | 10 | 2.14 | 0.19 | 0.06 | 10 | 2.25 | 0.32 | 0.10 | 10 | 2.09 | 0.35 | 0.11 |
| | 2 | 10 | 5.53 | 0.40 | 0.13 | 10 | 5.55 | 0.47 | 0.15 | 10 | 5.80 | 0.30 | 0.10 |
| | 3 | 10 | 10.23 | 0.32 | 0.10 | 10 | 10.24 | 0.37 | 0.12 | 10 | 10.45 | 0.58 | 0.18 |
| | 4 | 10 | 15.33 | 0.48 | 0.15 | 10 | 15.22 | 0.55 | 0.17 | 10 | 15.13 | 0.29 | 0.09 |
| | 5 | 10 | 21.28 | 0.48 | 0.15 | 10 | 21.14 | 0.52 | 0.16 | 10 | 21.67 | 0.49 | 0.15 |
| | 9 | 10 | 14.18 | 1.31 | 0.41 | 10 | 13.63 | 1.87 | 0.59 | 10 | 12.79 | 2.40 | 0.76 |
| | 1 | 10 | 2.14 | 0.19 | 0.06 | 10 | 2.25 | 0.32 | 0.10 | 10 | 2.09 | 0.35 | 0.11 |
| | 2 | 10 | 5.53 | 0.40 | 0.13 | 10 | 5.55 | 0.47 | 0.15 | 10 | 5.80 | 0.30 | 0.10 |
| | 3 | 10 | 10.23 | 0.32 | 0.10 | 10 | 10.24 | 0.37 | 0.12 | 10 | 10.45 | 0.58 | 0.18 |
| | 4 | 10 | 15.33 | 0.48 | 0.15 | 10 | 15.22 | 0.55 | 0.17 | 10 | 15.13 | 0.29 | 0.09 |
| | 5 | 10 | 21.28 | 0.48 | 0.15 | 10 | 21.14 | 0.52 | 0.16 | 10 | 21.67 | 0.49 | 0.15 |
| | 9 | 10 | 14.18 | 1.31 | 0.41 | 10 | 13.63 | 1.87 | 0.59 | 10 | 12.79 | 2.40 | 0.76 |
| | 1 | 10 | 2.14 | 0.19 | 0.06 | 10 | 2.25 | 0.32 | 0.10 | 10 | 2.09 | 0.35 | 0.11 |
| | 2 | 10 | 5.53 | 0.40 | 0.13 | 10 | 5.55 | 0.47 | 0.15 | 10 | 5.80 | 0.30 | 0.10 |
| | 3 | 10 | 10.23 | 0.32 | 0.10 | 10 | 10.24 | 0.37 | 0.12 | 10 | 10.45 | 0.58 | 0.18 |
| | 4 | 10 | 15.33 | 0.48 | 0.15 | 10 | 15.22 | 0.55 | 0.17 | 10 | 15.13 | 0.29 | 0.09 |
| | 5 | 10 | 21.28 | 0.48 | 0.15 | 10 | 21.14 | 0.52 | 0.16 | 10 | 21.67 | 0.49 | 0.15 |
| | 9 | 10 | 14.18 | 1.31 | 0.41 | 10 | 13.63 | 1.87 | 0.59 | 10 | 12.79 | 2.40 | 0.76 |
| | 1 | 10 | 2.14 | 0.19 | 0.06 | 10 | 2.25 | 0.32 | 0.10 | 10 | 2.09 | 0.35 | 0.11 |
| | 2 | 10 | 5.53 | 0.40 | 0.13 | 10 | 5.55 | 0.47 | 0.15 | 10 | 5.80 | 0.30 | 0.10 |
| | 3 | 10 | 10.23 | 0.32 | 0.10 | 10 | 10.24 | 0.37 | 0.12 | 10 | 10.45 | 0.58 | 0.18 |
| | 4 | 10 | 15.33 | 0.48 | 0.15 | 10 | 15.22 | 0.55 | 0.17 | 10 | 15.13 | 0.29 | 0.09 |
| | 5 | 10 | 21.28 | 0.48 | 0.15 | 10 | 21.14 | 0.52 | 0.16 | 10 | 21.67 | 0.49 | 0.15 |
| | 9 | 10 | 14.18 | 1.31 | 0.41 | 10 | 13.63 | 1.87 | 0.59 | 10 | 12.79 | 2.40 | 0.76 |
| | 1 | 10 | 2.14 | 0.19 | 0.06 | 10 | 2.25 | 0.32 | 0.10 | 10 | 2.09 | 0.35 | 0.11 |
| | 2 | 10 | 5.53 | 0.40 | 0.13 | 10 | 5.55 | 0.47 | 0.15 | 10 | 5.80 | 0.30 | 0.10 |
| | 3 | 10 | 10.23 | 0.32 | 0.10 | 10 | 10.24 | 0.37 | 0.12 | 10 | 10.45 | 0.58 | 0.18 |
| | 4 | 10 | 15.33 | 0.48 | 0.15 | 10 | 15.22 | 0.55 | 0.17 | 10 | 15.13 | 0.29 | 0.09 |
| | 5 | 10 | 21.28 | 0.48 | 0.15 | 10 | 21.14 | 0.52 | 0.16 | 10 | 21.67 | 0.49 | 0.15 |
| | 9 | 10 | 14.18 | 1.31 | 0.41 | 10 | 13.63 | 1.87 | 0.59 | 10 | 12.79 | 2.40 | 0.76 |
| | 1 | 10 | 2.14 | 0.19 | 0.06 | 10 | 2.25 | 0.32 | 0.10 | 10 | 2.09 | 0.35 | 0.11 |
| | 2 | 10 | 5.53 | 0.40 | 0.13 | 10 | 5.55 | 0.47 | 0.15 | 10 | 5.80 | 0.30 | 0.10 |
| | 3 | 10 | 10.23 | 0.32 | 0.10 | 10 | 10.24 | 0.37 | 0.12 | 10 | 10.45 | 0.58 | 0.18 |
| | 4 | 10 | 15.33 | 0.48 | 0.15 | 10 | 15.22 | 0.55 | 0.17 | 10 | 15.13 | 0.29 | 0.09 |
| | 5 | 10 | 21.28 | 0.48 | 0.15 | 10 | 21.14 | 0.52 | 0.16 | 10 | 21.67 | 0.49 | 0.1 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
 TASK: 89-09
 DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
 CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|-------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 8 | 2.25 | 0.60 | 0.21 | 9 | 2.17 | 0.83 | 0.28 | 8 | 2.50 | 0.80 | 0.28 |
| | 2 | 10 | 6.00 | 1.11 | 0.35 | 10 | 6.30 | 0.71 | 0.23 | 10 | 6.05 | 1.04 | 0.33 |
| | 3 | 10 | 10.90 | 1.05 | 0.33 | 10 | 10.25 | 1.09 | 0.34 | 10 | 11.00 | 0.94 | 0.30 |
| | 4 | 10 | 15.55 | 0.86 | 0.27 | 9 | 16.17 | 1.22 | 0.41 | 10 | 15.40 | 1.68 | 0.53 |
| | 5 | 10 | 21.50 | 1.86 | 0.59 | 10 | 21.25 | 2.36 | 0.75 | 10 | 22.45 | 1.52 | 0.48 |
| | 9 | 10 | 7.90 | 6.88 | 2.18 | 10 | 11.40 | 7.68 | 2.43 | 10 | 8.85 | 8.53 | 2.70 |
| 30-Minute | 1 | 8 | 2.31 | 0.65 | 0.23 | 9 | 1.94 | 0.39 | 0.13 | 5 | 2.00 | 0.61 | 0.27 |
| | 2 | 10 | 6.10 | 1.13 | 0.36 | 10 | 5.90 | 0.88 | 0.28 | 10 | 5.75 | 0.92 | 0.29 |
| | 3 | 10 | 9.90 | 0.91 | 0.29 | 10 | 10.30 | 1.46 | 0.46 | 7 | 10.50 | 1.41 | 0.53 |
| | 4 | 10 | 15.00 | 0.94 | 0.30 | 10 | 15.40 | 1.33 | 0.42 | 9 | 14.83 | 1.44 | 0.48 |
| | 5 | 10 | 21.95 | 1.55 | 0.49 | 10 | 21.80 | 1.64 | 0.52 | 10 | 21.60 | 1.35 | 0.43 |
| | 9 | 10 | 5.10 | 3.74 | 1.18 | 10 | 2.95 | 2.11 | 0.67 | 10 | 4.55 | 2.77 | 0.88 |
| 90-Minute | 1 | 8 | 2.62 | 0.88 | 0.31 | 9 | 2.89 | 0.82 | 0.27 | 6 | 2.25 | 0.88 | 0.36 |
| | 2 | 10 | 5.80 | 0.92 | 0.29 | 9 | 6.11 | 0.82 | 0.27 | 9 | 5.39 | 1.05 | 0.35 |
| | 3 | 10 | 10.80 | 1.18 | 0.37 | 10 | 10.60 | 1.05 | 0.33 | 10 | 10.70 | 1.40 | 0.44 |
| | 4 | 9 | 15.61 | 1.24 | 0.41 | 10 | 16.45 | 0.86 | 0.27 | 10 | 15.85 | 1.20 | 0.38 |
| | 5 | 10 | 21.20 | 2.51 | 0.79 | 10 | 21.50 | 1.67 | 0.53 | 10 | 22.20 | 1.21 | 0.38 |
| | 9 | 10 | 7.40 | 6.11 | 1.93 | 10 | 7.40 | 6.76 | 2.14 | 10 | 3.40 | 1.97 | 0.62 |
| 300-Minute | 1 | 9 | 2.39 | 0.86 | 0.29 | 8 | 2.50 | 0.80 | 0.28 | 9 | 2.78 | 0.57 | 0.19 |
| | 2 | 10 | 6.00 | 0.94 | 0.30 | 10 | 5.90 | 1.07 | 0.34 | 10 | 5.90 | 0.74 | 0.23 |
| | 3 | 10 | 10.50 | 1.20 | 0.38 | 10 | 11.10 | 1.10 | 0.35 | 10 | 10.40 | 1.33 | 0.42 |
| | 4 | 10 | 15.65 | 1.25 | 0.39 | 10 | 15.60 | 1.24 | 0.39 | 10 | 15.75 | 1.09 | 0.34 |
| | 5 | 10 | 21.10 | 1.81 | 0.57 | 10 | 20.70 | 1.75 | 0.55 | 10 | 21.55 | 2.03 | 0.64 |
| | 9 | 10 | 11.55 | 6.56 | 2.08 | 10 | 14.50 | 6.84 | 2.16 | 10 | 17.20 | 6.09 | 1.93 |
| 600-Minute | 1 | 9 | 2.50 | 0.75 | 0.25 | 9 | 2.44 | 0.53 | 0.18 | 9 | 2.28 | 0.87 | 0.29 |
| | 2 | 9 | 6.22 | 1.12 | 0.37 | 10 | 5.75 | 1.06 | 0.34 | 9 | 5.83 | 0.75 | 0.25 |
| | 3 | 10 | 10.10 | 1.10 | 0.35 | 10 | 9.85 | 1.06 | 0.33 | 10 | 11.00 | 1.03 | 0.32 |
| | 4 | 10 | 15.30 | 1.18 | 0.37 | 10 | 14.95 | 1.28 | 0.40 | 10 | 15.80 | 1.30 | 0.41 |
| | 5 | 10 | 21.45 | 1.85 | 0.58 | 10 | 22.25 | 1.64 | 0.52 | 10 | 21.70 | 1.40 | 0.44 |
| | 9 | 10 | 14.70 | 7.19 | 2.27 | 10 | 10.45 | 7.84 | 2.48 | 10 | 9.85 | 10.02 | 3.17 |
| | 1 | 9 | 2.41 | 0.12 | 0.07 | 3 | 2.41 | 0.12 | 0.07 | 3 | 2.41 | 0.12 | 0.07 |
| | 2 | 3 | 5.94 | 0.25 | 0.15 | 3 | 5.94 | 0.25 | 0.15 | 3 | 5.94 | 0.25 | 0.15 |
| | 3 | 3 | 10.32 | 0.60 | 0.35 | 3 | 10.32 | 0.60 | 0.35 | 3 | 10.32 | 0.60 | 0.35 |
| | 4 | 3 | 15.35 | 0.43 | 0.25 | 3 | 15.35 | 0.43 | 0.25 | 3 | 15.35 | 0.43 | 0.25 |
| | 5 | 3 | 21.80 | 0.41 | 0.24 | 3 | 21.80 | 0.41 | 0.24 | 3 | 21.80 | 0.41 | 0.24 |
| | 9 | 3 | 11.67 | 2.64 | 1.53 | 3 | 11.67 | 2.64 | 1.53 | 3 | 11.67 | 2.64 | 1.53 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 9 | 2.39 | 0.78 | 0.26 | 9 | 2.39 | 0.86 | 0.29 | 7 | 2.07 | 0.79 | 0.30 |
| | 2 | 10 | 5.60 | 1.84 | 0.58 | 10 | 6.25 | 1.03 | 0.33 | 9 | 6.28 | 1.28 | 0.43 |
| | 3 | 10 | 10.55 | 1.17 | 0.37 | 9 | 10.50 | 1.03 | 0.34 | 10 | 10.60 | 1.20 | 0.38 |
| | 4 | 10 | 15.15 | 0.53 | 0.17 | 10 | 15.25 | 1.21 | 0.38 | 10 | 15.30 | 1.65 | 0.52 |
| | 5 | 10 | 21.15 | 1.67 | 0.53 | 10 | 19.50 | 1.00 | 0.32 | 10 | 21.35 | 2.08 | 0.66 |
| 30-Minute | 9 | 10 | 8.10 | 5.39 | 1.70 | 10 | 9.35 | 6.15 | 1.94 | 10 | 5.80 | 5.16 | 1.63 |
| | 1 | 9 | 2.00 | 0.66 | 0.22 | 10 | 2.10 | 0.46 | 0.15 | 8 | 2.31 | 0.84 | 0.30 |
| | 2 | 9 | 6.00 | 0.94 | 0.31 | 10 | 5.90 | 1.02 | 0.32 | 10 | 5.30 | 0.71 | 0.23 |
| | 3 | 9 | 10.44 | 1.10 | 0.37 | 10 | 10.20 | 1.01 | 0.32 | 9 | 10.83 | 1.22 | 0.41 |
| | 4 | 10 | 15.55 | 1.01 | 0.32 | 10 | 14.90 | 1.13 | 0.36 | 10 | 14.75 | 0.92 | 0.29 |
| 90-Minute | 5 | 10 | 21.25 | 1.62 | 0.51 | 10 | 21.60 | 1.63 | 0.52 | 10 | 20.80 | 2.24 | 0.71 |
| | 9 | 10 | 6.00 | 8.12 | 2.57 | 10 | 2.10 | 0.46 | 0.15 | 10 | 3.80 | 2.82 | 0.89 |
| | 1 | 8 | 2.56 | 0.90 | 0.32 | 10 | 2.65 | 0.91 | 0.29 | 7 | 2.07 | 0.73 | 0.28 |
| | 2 | 10 | 5.55 | 0.93 | 0.29 | 10 | 5.75 | 1.01 | 0.32 | 9 | 5.28 | 0.67 | 0.22 |
| | 3 | 10 | 10.45 | 0.69 | 0.22 | 10 | 10.60 | 0.94 | 0.30 | 10 | 11.20 | 0.98 | 0.31 |
| 300-Minute | 4 | 10 | 15.75 | 1.27 | 0.40 | 10 | 15.10 | 1.20 | 0.38 | 9 | 15.83 | 1.39 | 0.46 |
| | 5 | 10 | 20.95 | 1.55 | 0.49 | 10 | 20.80 | 1.27 | 0.40 | 10 | 20.90 | 1.65 | 0.52 |
| | 9 | 10 | 9.95 | 9.04 | 2.86 | 10 | 8.95 | 8.61 | 2.72 | 10 | 4.35 | 5.78 | 1.83 |
| | 1 | 9 | 2.22 | 0.71 | 0.24 | 9 | 2.50 | 0.61 | 0.20 | 9 | 2.28 | 0.75 | 0.25 |
| | 2 | 10 | 6.05 | 0.86 | 0.27 | 10 | 6.15 | 1.23 | 0.39 | 9 | 5.89 | 0.78 | 0.26 |
| 600-Minute | 3 | 9 | 10.50 | 1.50 | 0.50 | 10 | 10.40 | 1.41 | 0.45 | 10 | 11.20 | 0.92 | 0.29 |
| | 4 | 10 | 15.80 | 0.86 | 0.27 | 10 | 15.50 | 0.91 | 0.29 | 10 | 15.55 | 1.32 | 0.42 |
| | 5 | 10 | 21.75 | 1.90 | 0.60 | 10 | 20.65 | 1.53 | 0.48 | 10 | 21.35 | 2.06 | 0.65 |
| | 9 | 10 | 15.75 | 5.97 | 1.89 | 10 | 14.15 | 8.20 | 2.59 | 10 | 12.40 | 9.33 | 2.95 |
| | 1 | 9 | 2.33 | 0.61 | 0.20 | 10 | 2.50 | 0.58 | 0.18 | 8 | 2.12 | 0.64 | 0.23 |
| | 2 | 9 | 6.06 | 1.10 | 0.37 | 9 | 5.72 | 0.87 | 0.29 | 10 | 5.60 | 0.99 | 0.31 |
| | 3 | 10 | 10.05 | 1.23 | 0.39 | 10 | 10.40 | 1.13 | 0.36 | 10 | 10.85 | 1.18 | 0.37 |
| | 4 | 10 | 15.05 | 1.28 | 0.40 | 10 | 14.73 | 1.31 | 0.42 | 10 | 15.00 | 1.11 | 0.35 |
| | 5 | 10 | 22.05 | 1.50 | 0.47 | 10 | 21.40 | 1.88 | 0.60 | 10 | 22.85 | 1.55 | 0.49 |
| | 9 | 10 | 12.60 | 7.64 | 2.42 | 10 | 7.15 | 7.95 | 2.51 | 10 | 12.10 | 9.50 | 3.01 |
| | 1 | 3 | 2.28 | 0.18 | 0.11 | 3 | 2.28 | 0.18 | 0.11 | 3 | 2.28 | 0.18 | 0.11 |
| | 2 | 3 | 6.04 | 0.38 | 0.22 | 3 | 6.04 | 0.38 | 0.22 | 3 | 6.04 | 0.38 | 0.22 |
| | 3 | 3 | 10.55 | 0.05 | 0.03 | 3 | 10.55 | 0.05 | 0.03 | 3 | 10.55 | 0.05 | 0.03 |
| | 4 | 3 | 15.23 | 0.08 | 0.04 | 3 | 15.23 | 0.08 | 0.04 | 3 | 15.23 | 0.08 | 0.04 |
| | 5 | 3 | 20.67 | 1.02 | 0.59 | 3 | 20.67 | 1.02 | 0.59 | 3 | 20.67 | 1.02 | 0.59 |
| | 1 | 3 | 7.75 | 1.80 | 1.04 | 3 | 7.75 | 1.80 | 1.04 | 3 | 7.75 | 1.80 | 1.04 |
| | 2 | 3 | 2.14 | 0.16 | 0.09 | 3 | 2.14 | 0.16 | 0.09 | 3 | 2.14 | 0.16 | 0.09 |
| | 3 | 3 | 5.73 | 0.38 | 0.22 | 3 | 5.73 | 0.38 | 0.22 | 3 | 5.73 | 0.38 | 0.22 |
| | 4 | 3 | 10.49 | 0.32 | 0.18 | 3 | 10.49 | 0.32 | 0.18 | 3 | 10.49 | 0.32 | 0.18 |
| | 5 | 3 | 15.07 | 0.43 | 0.25 | 3 | 15.07 | 0.43 | 0.25 | 3 | 15.07 | 0.43 | 0.25 |
| | 1 | 3 | 21.22 | 0.40 | 0.23 | 3 | 21.22 | 0.40 | 0.23 | 3 | 21.22 | 0.40 | 0.23 |
| | 2 | 3 | 3.97 | 1.96 | 1.13 | 3 | 3.97 | 1.96 | 1.13 | 3 | 3.97 | 1.96 | 1.13 |
| | 3 | 3 | 2.43 | 0.31 | 0.18 | 3 | 2.43 | 0.31 | 0.18 | 3 | 2.43 | 0.31 | 0.18 |
| | 4 | 3 | 5.53 | 0.24 | 0.14 | 3 | 5.53 | 0.24 | 0.14 | 3 | 5.53 | 0.24 | 0.14 |
| | 5 | 3 | 10.75 | 0.40 | 0.23 | 3 | 10.75 | 0.40 | 0.23 | 3 | 10.75 | 0.40 | 0.23 |
| | 1 | 3 | 15.56 | 0.40 | 0.23 | 3 | 15.56 | 0.40 | 0.23 | 3 | 15.56 | 0.40 | 0.23 |
| | 2 | 3 | 20.88 | 0.08 | 0.04 | 3 | 20.88 | 0.08 | 0.04 | 3 | 20.88 | 0.08 | 0.04 |
| | 3 | 3 | 7.75 | 2.99 | 1.72 | 3 | 7.75 | 2.99 | 1.72 | 3 | 7.75 | 2.99 | 1.72 |
| | 4 | 3 | 2.33 | 0.15 | 0.08 | 3 | 2.33 | 0.15 | 0.08 | 3 | 2.33 | 0.15 | 0.08 |
| | 5 | 3 | 6.03 | 0.13 | 0.08 | 3 | 6.03 | 0.13 | 0.08 | 3 | 6.03 | 0.13 | 0.08 |
| | 1 | 3 | 10.70 | 0.44 | 0.25 | 3 | 10.70 | 0.44 | 0.25 | 3 | 10.70 | 0.44 | 0.25 |
| | 2 | 3 | 15.62 | 0.16 | 0.09 | 3 | 15.62 | 0.16 | 0.09 | 3 | 15.62 | 0.16 | 0.09 |
| | 3 | 3 | 21.25 | 0.56 | 0.32 | 3 | 21.25 | 0.56 | 0.32 | 3 | 21.25 | 0.56 | 0.32 |
| | 4 | 3 | 14.10 | 1.68 | 0.97 | 3 | 14.10 | 1.68 | 0.97 | 3 | 14.10 | 1.68 | 0.97 |
| | 5 | 3 | 2.32 | 0.19 | 0.11 | 3 | 2.32 | 0.19 | 0.11 | 3 | 2.32 | 0.19 | 0.11 |
| | 1 | 3 | 5.79 | 0.24 | 0.14 | 3 | 5.79 | 0.24 | 0.14 | 3 | 5.79 | 0.24 | 0.14 |
| | 2 | 3 | 10.43 | 0.40 | 0.23 | 3 | 10.43 | 0.40 | 0.23 | 3 | 10.43 | 0.40 | 0.23 |
| | 3 | 3 | 14.93 | 0.17 | 0.10 | 3 | 14.93 | 0.17 | 0.10 | 3 | 14.93 | 0.17 | 0.10 |
| | 4 | 3 | 22.10 | 0.73 | 0.42 | 3 | 22.10 | 0.73 | 0.42 | 3 | 22.10 | 0.73 | 0.42 |
| | 5 | 3 | 10.62 | 3.01 | 1.74 | 3 | 10.62 | 3.01 | 1.74 | 3 | 10.62 | 3.01 | 1.74 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | |
| Baseline | 1 | 9 | 2.06 | 0.63 | 0.21 | 9 | 2.39 | 0.86 | 0.29 | 10 | 2.65 | 0.85 | 0.27 |
| | 2 | 10 | 5.45 | 1.61 | 0.51 | 10 | 6.20 | 0.95 | 0.30 | 10 | 5.85 | 0.78 | 0.25 |
| | 3 | 10 | 10.90 | 1.24 | 0.39 | 10 | 10.80 | 1.09 | 0.34 | 10 | 10.15 | 1.38 | 0.43 |
| | 4 | 10 | 15.30 | 1.11 | 0.35 | 10 | 15.70 | 1.62 | 0.51 | 10 | 14.60 | 0.94 | 0.30 |
| | 5 | 10 | 20.15 | 1.73 | 0.55 | 10 | 21.40 | 1.93 | 0.61 | 10 | 21.15 | 1.81 | 0.57 |
| | 9 | 10 | 7.95 | 7.22 | 2.28 | 10 | 5.30 | 6.95 | 2.20 | 10 | 5.40 | 6.49 | 2.05 |
| 30-Minute | 1 | 10 | 2.25 | 0.75 | 0.24 | 8 | 1.81 | 0.59 | 0.21 | 8 | 1.81 | 0.37 | 0.13 |
| | 2 | 8 | 6.25 | 1.10 | 0.39 | 9 | 6.11 | 1.05 | 0.35 | 10 | 5.75 | 0.98 | 0.31 |
| | 3 | 10 | 10.10 | 1.26 | 0.40 | 10 | 11.15 | 1.38 | 0.43 | 9 | 10.50 | 1.20 | 0.40 |
| | 4 | 10 | 15.20 | 1.42 | 0.45 | 10 | 16.30 | 0.89 | 0.28 | 10 | 15.70 | 1.48 | 0.47 |
| | 5 | 10 | 21.55 | 2.03 | 0.64 | 10 | 22.20 | 1.14 | 0.36 | 10 | 21.65 | 1.89 | 0.60 |
| | 9 | 10 | 6.20 | 8.15 | 2.58 | 10 | 6.35 | 6.79 | 2.15 | 10 | 5.10 | 6.95 | 2.20 |
| 90-Minute | 1 | 8 | 2.12 | 0.64 | 0.23 | 10 | 1.90 | 0.46 | 0.15 | 10 | 2.35 | 0.78 | 0.25 |
| | 2 | 9 | 6.42 | 0.88 | 0.29 | 10 | 5.85 | 1.00 | 0.32 | 10 | 6.35 | 0.75 | 0.24 |
| | 3 | 9 | 10.39 | 0.93 | 0.31 | 10 | 11.35 | 0.97 | 0.31 | 10 | 10.20 | 1.53 | 0.48 |
| | 4 | 10 | 15.00 | 1.20 | 0.38 | 10 | 15.50 | 1.18 | 0.37 | 10 | 15.50 | 0.94 | 0.30 |
| | 5 | 10 | 21.10 | 2.09 | 0.66 | 10 | 21.25 | 2.14 | 0.68 | 10 | 20.55 | 2.01 | 0.63 |
| | 9 | 10 | 8.35 | 9.57 | 3.03 | 10 | 3.55 | 5.27 | 1.67 | 10 | 3.15 | 2.70 | 0.85 |
| 300-Minute | 1 | 9 | 2.22 | 0.62 | 0.21 | 8 | 2.62 | 0.69 | 0.25 | 10 | 2.60 | 0.66 | 0.21 |
| | 2 | 9 | 6.11 | 1.02 | 0.34 | 10 | 6.05 | 1.04 | 0.33 | 10 | 5.95 | 1.07 | 0.34 |
| | 3 | 10 | 10.15 | 1.23 | 0.39 | 10 | 10.50 | 1.29 | 0.41 | 9 | 10.44 | 1.29 | 0.43 |
| | 4 | 10 | 15.60 | 1.22 | 0.39 | 10 | 15.80 | 1.16 | 0.37 | 10 | 15.70 | 1.21 | 0.38 |
| | 5 | 10 | 20.25 | 2.21 | 0.70 | 10 | 21.02 | 2.10 | 0.66 | 10 | 21.60 | 2.04 | 0.64 |
| | 9 | 10 | 17.10 | 2.18 | 0.69 | 10 | 18.05 | 3.12 | 0.99 | 10 | 19.10 | 3.38 | 1.07 |
| 600-Minute | 1 | 9 | 2.78 | 0.67 | 0.22 | 10 | 2.20 | 0.59 | 0.19 | 8 | 2.06 | 0.78 | 0.27 |
| | 2 | 10 | 5.75 | 0.95 | 0.30 | 10 | 5.80 | 1.06 | 0.33 | 10 | 5.95 | 1.14 | 0.36 |
| | 3 | 10 | 10.75 | 0.98 | 0.31 | 9 | 10.83 | 1.32 | 0.44 | 10 | 11.00 | 0.97 | 0.31 |
| | 4 | 10 | 15.40 | 1.22 | 0.39 | 9 | 14.72 | 0.97 | 0.32 | 10 | 15.40 | 1.37 | 0.43 |
| | 5 | 10 | 21.75 | 1.96 | 0.62 | 10 | 22.35 | 1.68 | 0.53 | 10 | 22.10 | 1.56 | 0.49 |
| | 9 | 10 | 16.95 | 3.02 | 0.96 | 10 | 15.20 | 8.72 | 2.76 | 10 | 13.95 | 9.31 | 2.94 |
| | 1 | 9 | 2.36 | 0.30 | 0.17 | 3 | 1.96 | 0.25 | 0.15 | 3 | 2.36 | 0.30 | 0.17 |
| | 2 | 3 | 5.83 | 0.38 | 0.22 | 3 | 6.04 | 0.26 | 0.15 | 3 | 5.83 | 0.38 | 0.22 |
| | 3 | 3 | 10.62 | 0.41 | 0.24 | 3 | 10.58 | 0.53 | 0.31 | 3 | 10.62 | 0.41 | 0.24 |
| | 4 | 3 | 15.20 | 0.56 | 0.32 | 3 | 15.73 | 0.55 | 0.30 | 3 | 15.20 | 0.56 | 0.32 |
| | 5 | 3 | 20.90 | 0.66 | 0.38 | 3 | 21.80 | 0.35 | 0.20 | 3 | 20.90 | 0.66 | 0.38 |
| | 9 | 3 | 6.22 | 1.50 | 0.87 | 3 | 5.88 | 0.68 | 0.39 | 3 | 6.22 | 1.50 | 0.87 |
| | 1 | 3 | 2.12 | 0.22 | 0.13 | 3 | 2.12 | 0.22 | 0.13 | 3 | 2.12 | 0.22 | 0.13 |
| | 2 | 3 | 6.21 | 0.31 | 0.18 | 3 | 6.21 | 0.31 | 0.18 | 3 | 6.21 | 0.31 | 0.18 |
| | 3 | 3 | 10.65 | 0.62 | 0.36 | 3 | 10.65 | 0.62 | 0.36 | 3 | 10.65 | 0.62 | 0.36 |
| | 4 | 3 | 15.33 | 0.29 | 0.17 | 3 | 15.33 | 0.29 | 0.17 | 3 | 15.33 | 0.29 | 0.17 |
| | 5 | 3 | 20.97 | 0.37 | 0.21 | 3 | 20.97 | 0.37 | 0.21 | 3 | 20.97 | 0.37 | 0.21 |
| | 9 | 3 | 5.02 | 2.89 | 1.67 | 3 | 5.02 | 2.89 | 1.67 | 3 | 5.02 | 2.89 | 1.67 |
| | 1 | 3 | 2.48 | 0.23 | 0.13 | 3 | 2.48 | 0.23 | 0.13 | 3 | 2.48 | 0.23 | 0.13 |
| | 2 | 3 | 6.04 | 0.08 | 0.05 | 3 | 6.04 | 0.08 | 0.05 | 3 | 6.04 | 0.08 | 0.05 |
| | 3 | 3 | 10.36 | 0.19 | 0.11 | 3 | 10.36 | 0.19 | 0.11 | 3 | 10.36 | 0.19 | 0.11 |
| | 4 | 3 | 15.70 | 0.10 | 0.06 | 3 | 15.70 | 0.10 | 0.06 | 3 | 15.70 | 0.10 | 0.06 |
| | 5 | 3 | 20.96 | 0.68 | 0.39 | 3 | 20.96 | 0.68 | 0.39 | 3 | 20.96 | 0.68 | 0.39 |
| | 9 | 3 | 18.08 | 1.00 | 0.58 | 3 | 18.08 | 1.00 | 0.58 | 3 | 18.08 | 1.00 | 0.58 |
| | 1 | 3 | 2.35 | 0.38 | 0.22 | 3 | 2.35 | 0.38 | 0.22 | 3 | 2.35 | 0.38 | 0.22 |
| | 2 | 3 | 5.83 | 0.10 | 0.06 | 3 | 5.83 | 0.10 | 0.06 | 3 | 5.83 | 0.10 | 0.06 |
| | 3 | 3 | 10.86 | 0.13 | 0.07 | 3 | 10.86 | 0.13 | 0.07 | 3 | 10.86 | 0.13 | 0.07 |
| | 4 | 3 | 15.17 | 0.39 | 0.23 | 3 | 15.17 | 0.39 | 0.23 | 3 | 15.17 | 0.39 | 0.23 |
| | 5 | 3 | 22.07 | 0.30 | 0.17 | 3 | 22.07 | 0.30 | 0.17 | 3 | 22.07 | 0.30 | 0.17 |
| | 9 | 3 | 15.37 | 1.51 | 0.87 | 3 | 15.37 | 1.51 | 0.87 | 3 | 15.37 | 1.51 | 0.87 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | |
| Baseline | 1 | 10 | 2.25 | 0.72 | 0.23 | 10 | 2.45 | 0.80 | 0.25 | 8 | 2.50 | 0.76 | 0.27 |
| | 2 | 10 | 5.10 | 1.41 | 0.45 | 9 | 6.67 | 0.61 | 0.20 | 9 | 5.89 | 0.74 | 0.25 |
| | 3 | 10 | 11.00 | 0.91 | 0.29 | 10 | 10.05 | 0.80 | 0.25 | 10 | 11.00 | 0.88 | 0.28 |
| | 4 | 10 | 15.60 | 1.10 | 0.35 | 10 | 15.45 | 1.17 | 0.37 | 10 | 14.80 | 0.86 | 0.27 |
| | 5 | 10 | 21.60 | 1.29 | 0.41 | 10 | 21.00 | 1.53 | 0.48 | 10 | 21.90 | 2.01 | 0.64 |
| | 9 | 10 | 2.50 | 1.00 | 0.32 | 10 | 5.95 | 5.85 | 1.85 | 10 | 4.35 | 3.16 | 1.00 |
| 30-Minute | 1 | 10 | 2.40 | 0.66 | 0.21 | 8 | 2.25 | 0.38 | 0.13 | 8 | 2.06 | 0.56 | 0.20 |
| | 2 | 9 | 5.83 | 0.94 | 0.31 | 9 | 5.56 | 0.95 | 0.32 | 9 | 5.89 | 1.43 | 0.48 |
| | 3 | 10 | 10.45 | 1.04 | 0.33 | 10 | 10.50 | 1.22 | 0.39 | 10 | 10.40 | 1.35 | 0.43 |
| | 4 | 10 | 16.00 | 1.22 | 0.39 | 10 | 15.70 | 1.25 | 0.40 | 10 | 15.05 | 0.93 | 0.29 |
| | 5 | 10 | 21.25 | 1.51 | 0.48 | 10 | 21.55 | 1.66 | 0.52 | 10 | 21.35 | 1.80 | 0.57 |
| | 9 | 10 | 2.50 | 0.82 | 0.26 | 10 | 4.35 | 4.95 | 1.57 | 10 | 2.85 | 1.25 | 0.39 |
| 90-Minute | 1 | 9 | 2.72 | 0.57 | 0.19 | 9 | 2.28 | 0.57 | 0.19 | 9 | 2.28 | 0.62 | 0.21 |
| | 2 | 9 | 5.89 | 0.82 | 0.27 | 9 | 5.67 | 0.87 | 0.29 | 10 | 5.90 | 0.99 | 0.31 |
| | 3 | 10 | 10.50 | 1.60 | 0.51 | 10 | 11.20 | 1.34 | 0.42 | 10 | 10.35 | 0.97 | 0.31 |
| | 4 | 10 | 15.00 | 1.33 | 0.42 | 10 | 16.15 | 1.33 | 0.42 | 9 | 15.50 | 1.54 | 0.51 |
| | 5 | 10 | 21.35 | 1.20 | 0.38 | 10 | 21.25 | 1.50 | 0.47 | 10 | 20.70 | 1.44 | 0.45 |
| | 9 | 10 | 12.75 | 7.63 | 2.41 | 10 | 3.75 | 3.55 | 1.12 | 10 | 2.90 | 1.24 | 0.39 |
| 300-Minute | 1 | 9 | 2.83 | 0.75 | 0.25 | 10 | 2.35 | 0.67 | 0.21 | 9 | 2.72 | 0.71 | 0.24 |
| | 2 | 10 | 5.95 | 1.01 | 0.32 | 10 | 6.50 | 0.62 | 0.20 | 10 | 5.90 | 1.13 | 0.36 |
| | 3 | 10 | 10.85 | 1.06 | 0.33 | 10 | 11.00 | 1.08 | 0.34 | 10 | 10.90 | 1.31 | 0.41 |
| | 4 | 10 | 15.65 | 0.94 | 0.30 | 10 | 15.55 | 1.14 | 0.36 | 10 | 15.65 | 1.08 | 0.34 |
| | 5 | 10 | 19.85 | 1.16 | 0.37 | 10 | 20.60 | 1.68 | 0.53 | 10 | 21.45 | 1.92 | 0.61 |
| | 9 | 10 | 15.90 | 5.48 | 1.73 | 10 | 17.75 | 2.60 | 0.82 | 10 | 18.05 | 2.99 | 0.95 |
| 600-Minute | 1 | 9 | 2.31 | 0.75 | 0.25 | 8 | 2.69 | 0.70 | 0.25 | 9 | 2.17 | 0.56 | 0.19 |
| | 2 | 9 | 5.50 | 0.94 | 0.31 | 9 | 5.78 | 1.03 | 0.34 | 10 | 5.55 | 0.86 | 0.27 |
| | 3 | 10 | 10.20 | 1.16 | 0.37 | 10 | 10.65 | 1.23 | 0.39 | 10 | 10.85 | 1.11 | 0.35 |
| | 4 | 10 | 15.10 | 1.24 | 0.39 | 10 | 14.90 | 1.22 | 0.39 | 10 | 14.90 | 1.41 | 0.45 |
| | 5 | 10 | 21.75 | 1.60 | 0.51 | 10 | 21.00 | 2.04 | 0.65 | 10 | 23.05 | 1.01 | 0.32 |
| | 9 | 10 | 16.00 | 5.80 | 1.83 | 10 | 14.80 | 8.14 | 2.57 | 10 | 11.05 | 8.38 | 2.65 |
| | 1 | 3 | 2.40 | 0.13 | 0.08 | 3 | 2.40 | 0.13 | 0.08 | 3 | 2.40 | 0.13 | 0.08 |
| | 2 | 3 | 5.89 | 0.78 | 0.45 | 3 | 5.89 | 0.78 | 0.45 | 3 | 5.89 | 0.78 | 0.45 |
| | 3 | 3 | 10.68 | 0.55 | 0.32 | 3 | 10.68 | 0.55 | 0.32 | 3 | 10.68 | 0.55 | 0.32 |
| | 4 | 3 | 15.28 | 0.43 | 0.25 | 3 | 15.28 | 0.43 | 0.25 | 3 | 15.28 | 0.43 | 0.25 |
| | 5 | 3 | 21.50 | 0.46 | 0.26 | 3 | 21.50 | 0.46 | 0.26 | 3 | 21.50 | 0.46 | 0.26 |
| | 9 | 3 | 4.27 | 1.73 | 1.00 | 3 | 4.27 | 1.73 | 1.00 | 3 | 4.27 | 1.73 | 1.00 |
| | 1 | 3 | 2.24 | 0.17 | 0.10 | 3 | 2.24 | 0.17 | 0.10 | 3 | 2.24 | 0.17 | 0.10 |
| | 2 | 3 | 5.76 | 0.18 | 0.10 | 3 | 5.76 | 0.18 | 0.10 | 3 | 5.76 | 0.18 | 0.10 |
| | 3 | 3 | 10.45 | 0.05 | 0.03 | 3 | 10.45 | 0.05 | 0.03 | 3 | 10.45 | 0.05 | 0.03 |
| | 4 | 3 | 15.58 | 0.49 | 0.28 | 3 | 15.58 | 0.49 | 0.28 | 3 | 15.58 | 0.49 | 0.28 |
| | 5 | 3 | 21.38 | 0.15 | 0.09 | 3 | 21.38 | 0.15 | 0.09 | 3 | 21.38 | 0.15 | 0.09 |
| | 9 | 3 | 3.23 | 0.98 | 0.57 | 3 | 3.23 | 0.98 | 0.57 | 3 | 3.23 | 0.98 | 0.57 |
| | 1 | 3 | 2.43 | 0.26 | 0.15 | 3 | 2.43 | 0.26 | 0.15 | 3 | 2.43 | 0.26 | 0.15 |
| | 2 | 3 | 5.82 | 0.13 | 0.08 | 3 | 5.82 | 0.13 | 0.08 | 3 | 5.82 | 0.13 | 0.08 |
| | 3 | 3 | 10.68 | 0.45 | 0.26 | 3 | 10.68 | 0.45 | 0.26 | 3 | 10.68 | 0.45 | 0.26 |
| | 4 | 3 | 15.55 | 0.58 | 0.33 | 3 | 15.55 | 0.58 | 0.33 | 3 | 15.55 | 0.58 | 0.33 |
| | 5 | 3 | 21.10 | 0.35 | 0.20 | 3 | 21.10 | 0.35 | 0.20 | 3 | 21.10 | 0.35 | 0.20 |
| | 9 | 3 | 6.47 | 5.46 | 3.15 | 3 | 6.47 | 5.46 | 3.15 | 3 | 6.47 | 5.46 | 3.15 |
| | 1 | 3 | 2.64 | 0.25 | 0.15 | 3 | 2.64 | 0.25 | 0.15 | 3 | 2.64 | 0.25 | 0.15 |
| | 2 | 3 | 6.12 | 0.33 | 0.19 | 3 | 6.12 | 0.33 | 0.19 | 3 | 6.12 | 0.33 | 0.19 |
| | 3 | 3 | 10.92 | 0.08 | 0.04 | 3 | 10.92 | 0.08 | 0.04 | 3 | 10.92 | 0.08 | 0.04 |
| | 4 | 3 | 15.62 | 0.06 | 0.03 | 3 | 15.62 | 0.06 | 0.03 | 3 | 15.62 | 0.06 | 0.03 |
| | 5 | 3 | 20.63 | 0.80 | 0.46 | 3 | 20.63 | 0.80 | 0.46 | 3 | 20.63 | 0.80 | 0.46 |
| | 9 | 3 | 17.23 | 1.16 | 0.67 | 3 | 17.23 | 1.16 | 0.67 | 3 | 17.23 | 1.16 | 0.67 |
| | 1 | 3 | 2.39 | 0.27 | 0.16 | 3 | 2.39 | 0.27 | 0.16 | 3 | 2.39 | 0.27 | 0.16 |
| | 2 | 3 | 5.61 | 0.15 | 0.09 | 3 | 5.61 | 0.15 | 0.09 | 3 | 5.61 | 0.15 | 0.09 |
| | 3 | 3 | 10.57 | 0.33 | 0.19 | 3 | 10.57 | 0.33 | 0.19 | 3 | 10.57 | 0.33 | 0.19 |
| | 4 | 3 | 14.97 | 0.12 | 0.07 | 3 | 14.97 | 0.12 | 0.07 | 3 | 14.97 | 0.12 | 0.07 |
| | 5 | 3 | 21.93 | 1.04 | 0.60 | 3 | 21.93 | 1.04 | 0.60 | 3 | 21.93 | 1.04 | 0.60 |
| | 9 | 3 | 13.95 | 2.58 | 1.49 | 3 | 13.95 | 2.58 | 1.49 | 3 | 13.95 | 2.58 | 1.49 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 1 (Continued)

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. |
|---------------|---------------|--------------|--------|-------|---------------|--------|-------|---------------|--------|--------|------------|-------|-------|
| | | N | Mean | Std. | N | Mean | Std. | N | Mean | Std. | Mean | Std. | |
| 600-Minute | 1 | 10 | 36.07 | 5.88 | 10 | 47.69 | 17.92 | 10 | 60.76 | 19.52 | 48.17 | 12.35 | 7.13 |
| | 2 | 10 | 22.05 | 9.54 | 10 | 43.83 | 22.24 | 10 | 34.78 | 16.40 | 33.55 | 10.94 | 6.32 |
| | 3 | 10 | 37.08 | 16.28 | 10 | 40.09 | 28.90 | 10 | 45.71 | 26.97 | 40.96 | 4.38 | 2.53 |
| | 4 | 10 | 70.13 | 22.78 | 10 | 50.28 | 26.90 | 10 | 50.99 | 31.19 | 57.13 | 11.26 | 6.50 |
| | 5 | 10 | 87.00 | 32.17 | 10 | 74.42 | 31.67 | 10 | 75.83 | 46.76 | 79.09 | 6.89 | 3.98 |
| | 6 | 10 | 72.76 | 39.86 | 10 | 57.67 | 38.88 | 10 | 53.33 | 27.91 | 61.25 | 10.20 | 5.89 |
| | 7 | 10 | 225.57 | 96.83 | 10 | 165.21 | 94.89 | 10 | 159.54 | 77.60 | 183.44 | 36.60 | 21.13 |
| | 8 | 10 | 1.63 | 1.04 | 10 | 1.92 | 2.14 | 10 | 1.37 | 0.50 | 1.64 | 0.28 | 0.16 |
| | 9 | 10 | 252.33 | 59.98 | 10 | 256.30 | 65.43 | 10 | 268.08 | 106.16 | 258.90 | 8.19 | 4.73 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 2 (Continued)

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | | | | |
|------------|------------|--------------|--------|-------|---------------|------|--------|---------------|-------|------|------------|-------|-------|---|--------|-------|-------|
| | | N | Mean | Std. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | | |
| 600-Minute | 1 | 10 | 50.60 | 15.68 | 4.96 | 10 | 58.77 | 19.89 | 6.29 | 10 | 71.23 | 25.91 | 8.19 | 3 | 60.20 | 10.39 | 6.00 |
| | 2 | 10 | 27.41 | 8.21 | 2.60 | 10 | 47.22 | 18.80 | 5.95 | 10 | 35.41 | 11.72 | 3.71 | 3 | 36.68 | 9.97 | 5.75 |
| | 3 | 10 | 40.68 | 17.10 | 5.41 | 10 | 47.65 | 23.97 | 7.58 | 10 | 49.13 | 25.05 | 7.92 | 3 | 45.82 | 4.51 | 2.60 |
| | 4 | 10 | 75.45 | 23.34 | 7.38 | 10 | 55.70 | 34.99 | 11.06 | 10 | 52.98 | 26.63 | 8.42 | 3 | 61.38 | 12.26 | 7.08 |
| | 5 | 10 | 97.37 | 29.83 | 9.43 | 10 | 82.69 | 45.81 | 14.49 | 10 | 81.62 | 40.37 | 12.77 | 3 | 87.23 | 8.80 | 5.08 |
| | 6 | 10 | 94.10 | 34.81 | 11.01 | 10 | 65.12 | 43.48 | 13.75 | 10 | 58.03 | 32.20 | 10.18 | 3 | 72.42 | 19.11 | 11.04 |
| | 7 | 10 | 242.60 | 71.89 | 22.73 | 10 | 187.27 | 111.72 | 35.33 | 10 | 166.87 | 82.29 | 26.02 | 3 | 198.92 | 39.18 | 22.62 |
| | 8 | 10 | 2.40 | 1.88 | 0.59 | 10 | 2.88 | 2.90 | 0.92 | 10 | 1.49 | 0.95 | 0.30 | 3 | 2.26 | 0.70 | 0.41 |
| | 9 | 10 | 291.51 | 47.46 | 15.01 | 10 | 292.02 | 89.27 | 28.23 | 10 | 290.36 | 72.15 | 22.82 | 3 | 291.30 | 0.85 | 0.49 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 3 (Continued)

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | | | | |
|------------|------------|--------------|--------|-------|---------------|----|--------|---------------|-------|----|------------|-------|-------|---|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | | | | |
| 600-Minute | 1 | 10 | 13.18 | 3.32 | 1.05 | 10 | 24.04 | 8.74 | 2.76 | 10 | 32.39 | 18.57 | 5.87 | 3 | 23.20 | 9.63 | 5.56 |
| | 2 | 10 | 12.56 | 6.29 | 1.99 | 10 | 21.64 | 11.87 | 3.75 | 10 | 20.01 | 9.86 | 3.12 | 3 | 18.07 | 4.84 | 2.80 |
| | 3 | 10 | 23.16 | 10.49 | 3.32 | 10 | 22.56 | 15.88 | 5.02 | 10 | 34.23 | 20.31 | 6.42 | 3 | 26.65 | 6.57 | 3.79 |
| | 4 | 10 | 46.52 | 17.29 | 5.47 | 10 | 35.20 | 19.93 | 6.30 | 10 | 36.49 | 21.70 | 6.86 | 3 | 39.40 | 6.20 | 3.58 |
| | 5 | 10 | 64.10 | 25.85 | 8.17 | 10 | 58.99 | 27.09 | 8.57 | 10 | 58.33 | 33.01 | 10.44 | 3 | 60.48 | 3.16 | 1.82 |
| | 6 | 10 | 52.13 | 22.57 | 7.14 | 10 | 38.69 | 26.50 | 8.38 | 10 | 41.82 | 20.49 | 6.48 | 3 | 44.21 | 7.03 | 4.06 |
| | 7 | 10 | 153.97 | 47.39 | 14.99 | 10 | 115.47 | 53.21 | 16.83 | 10 | 127.74 | 62.50 | 19.77 | 3 | 132.39 | 19.67 | 11.35 |
| | 8 | 10 | 1.44 | 0.76 | 0.24 | 10 | 1.34 | 1.55 | 0.49 | 10 | 1.06 | 0.44 | 0.14 | 3 | 1.28 | 0.20 | 0.11 |
| | 9 | 10 | 159.52 | 47.24 | 14.94 | 10 | 162.43 | 48.90 | 15.46 | 10 | 181.45 | 66.88 | 21.15 | 3 | 167.80 | 11.91 | 6.88 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | | | | |
|------------|------------|--------------|--------|-------|---------------|----|--------|---------------|-------|----|------------|-------|-------|---|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | | | | |
| Baseline | 1 | 10 | 78.28 | 34.02 | 10.76 | 10 | 49.06 | 27.98 | 8.85 | 10 | 65.16 | 38.49 | 12.17 | 3 | 64.16 | 14.63 | 8.45 |
| | 2 | 10 | 51.02 | 19.70 | 6.23 | 10 | 37.98 | 12.94 | 4.09 | 10 | 41.98 | 17.31 | 5.48 | 3 | 43.66 | 6.68 | 3.86 |
| | 3 | 10 | 29.81 | 15.37 | 4.86 | 10 | 40.82 | 14.47 | 4.57 | 10 | 37.72 | 16.94 | 5.36 | 3 | 36.12 | 5.68 | 3.28 |
| | 4 | 10 | 24.37 | 8.04 | 2.54 | 10 | 25.40 | 9.87 | 3.12 | 10 | 21.71 | 7.78 | 2.46 | 3 | 23.83 | 1.90 | 1.10 |
| | 5 | 10 | 28.79 | 12.77 | 4.04 | 10 | 41.70 | 17.47 | 5.53 | 10 | 39.34 | 15.45 | 4.88 | 3 | 36.61 | 6.87 | 3.97 |
| | 6 | 10 | 44.97 | 70.04 | 22.15 | 10 | 31.99 | 13.04 | 4.12 | 10 | 20.49 | 6.76 | 2.14 | 3 | 32.48 | 12.25 | 7.07 |
| | 7 | 10 | 70.60 | 41.25 | 13.04 | 10 | 115.22 | 61.73 | 19.52 | 10 | 71.57 | 31.49 | 9.96 | 3 | 85.80 | 25.48 | 14.71 |
| | 8 | 10 | 1.13 | 1.68 | 0.53 | 10 | 2.10 | 1.44 | 0.46 | 10 | 0.96 | 0.50 | 0.16 | 3 | 1.39 | 0.62 | 0.36 |
| | 9 | 10 | 206.19 | 58.21 | 18.41 | 10 | 194.96 | 39.94 | 12.63 | 10 | 205.91 | 62.81 | 19.86 | 3 | 202.35 | 6.40 | 3.70 |
| 30-Minute | 1 | 10 | 66.65 | 37.27 | 11.79 | 10 | 49.10 | 13.62 | 4.31 | 10 | 71.36 | 36.85 | 11.65 | 3 | 62.37 | 11.73 | 6.77 |
| | 2 | 10 | 36.01 | 22.07 | 6.98 | 10 | 28.57 | 16.98 | 5.37 | 10 | 32.43 | 15.06 | 4.76 | 3 | 32.34 | 3.72 | 2.15 |
| | 3 | 10 | 29.80 | 13.68 | 4.33 | 10 | 25.24 | 11.48 | 3.63 | 10 | 24.18 | 21.69 | 6.86 | 3 | 26.41 | 2.99 | 1.72 |
| | 4 | 10 | 16.54 | 5.59 | 1.77 | 10 | 18.11 | 4.68 | 1.48 | 10 | 13.51 | 5.25 | 1.66 | 3 | 16.06 | 2.34 | 1.35 |
| | 5 | 10 | 25.17 | 7.90 | 2.50 | 10 | 23.97 | 5.88 | 1.86 | 10 | 15.99 | 5.14 | 1.62 | 3 | 21.71 | 4.99 | 2.88 |
| | 6 | 10 | 15.87 | 6.69 | 2.11 | 10 | 17.39 | 4.92 | 1.56 | 10 | 10.76 | 4.47 | 1.41 | 3 | 14.67 | 3.47 | 2.01 |
| | 7 | 10 | 54.76 | 16.47 | 5.21 | 10 | 39.24 | 7.20 | 2.28 | 10 | 27.25 | 9.81 | 3.10 | 3 | 40.42 | 13.79 | 7.96 |
| | 8 | 10 | 0.55 | 0.39 | 0.12 | 10 | 0.35 | 0.26 | 0.08 | 10 | 0.11 | 0.30 | 0.09 | 3 | 0.34 | 0.22 | 0.13 |
| | 9 | 10 | 174.17 | 55.85 | 17.66 | 10 | 144.99 | 22.48 | 7.11 | 10 | 157.47 | 65.04 | 20.57 | 3 | 158.88 | 14.64 | 8.45 |
| 90-Minute | 1 | 10 | 68.56 | 44.56 | 14.09 | 10 | 71.56 | 37.02 | 11.71 | 10 | 63.36 | 29.57 | 9.35 | 3 | 67.83 | 4.15 | 2.40 |
| | 2 | 10 | 29.06 | 9.82 | 3.11 | 10 | 26.36 | 14.31 | 4.52 | 10 | 33.95 | 19.40 | 6.13 | 3 | 29.79 | 3.85 | 2.22 |
| | 3 | 10 | 27.12 | 14.93 | 4.72 | 10 | 23.65 | 9.60 | 3.04 | 10 | 26.25 | 16.43 | 5.19 | 3 | 25.67 | 1.80 | 1.04 |
| | 4 | 10 | 35.91 | 16.96 | 5.36 | 10 | 19.64 | 4.43 | 1.40 | 10 | 16.87 | 6.74 | 2.13 | 3 | 24.14 | 10.29 | 5.94 |
| | 5 | 10 | 53.04 | 34.57 | 10.93 | 10 | 30.84 | 11.05 | 3.50 | 10 | 25.83 | 10.98 | 3.47 | 3 | 36.57 | 14.48 | 8.36 |
| | 6 | 10 | 32.48 | 16.19 | 5.12 | 10 | 19.65 | 6.55 | 2.07 | 10 | 16.64 | 5.24 | 1.66 | 3 | 22.92 | 8.41 | 4.86 |
| | 7 | 10 | 136.83 | 66.76 | 21.11 | 10 | 75.98 | 20.63 | 6.52 | 10 | 64.62 | 43.80 | 13.85 | 3 | 92.48 | 38.83 | 22.42 |
| | 8 | 10 | 1.71 | 1.39 | 0.44 | 10 | 0.92 | 0.42 | 0.13 | 10 | 1.02 | 1.21 | 0.38 | 3 | 1.22 | 0.43 | 0.25 |
| | 9 | 10 | 213.69 | 68.84 | 21.77 | 10 | 172.05 | 40.08 | 12.68 | 10 | 166.26 | 36.01 | 11.39 | 3 | 184.00 | 25.87 | 14.94 |
| 300-Minute | 1 | 10 | 31.34 | 10.01 | 3.17 | 10 | 30.16 | 13.84 | 4.38 | 10 | 32.79 | 10.88 | 3.44 | 3 | 31.43 | 1.31 | 0.76 |
| | 2 | 10 | 15.85 | 5.15 | 1.63 | 10 | 14.06 | 8.22 | 2.60 | 10 | 24.26 | 11.10 | 3.51 | 3 | 18.06 | 5.44 | 3.14 |
| | 3 | 10 | 22.31 | 6.28 | 1.99 | 10 | 22.99 | 11.14 | 3.52 | 10 | 27.93 | 11.51 | 3.64 | 3 | 24.41 | 3.07 | 1.77 |
| | 4 | 10 | 78.80 | 31.25 | 9.88 | 10 | 68.71 | 31.57 | 9.98 | 10 | 64.35 | 20.46 | 6.47 | 3 | 70.62 | 7.41 | 4.28 |
| | 5 | 10 | 92.36 | 40.60 | 12.84 | 10 | 98.34 | 57.58 | 18.21 | 10 | 84.43 | 22.44 | 7.10 | 3 | 91.71 | 6.98 | 4.03 |
| | 6 | 10 | 63.74 | 24.31 | 7.69 | 10 | 77.98 | 33.84 | 10.70 | 10 | 63.77 | 16.62 | 5.26 | 3 | 68.50 | 8.21 | 4.74 |
| | 7 | 10 | 243.20 | 60.50 | 19.13 | 10 | 252.18 | 107.37 | 33.95 | 10 | 220.08 | 56.65 | 17.92 | 3 | 238.49 | 16.56 | 9.56 |
| | 8 | 10 | 1.94 | 0.53 | 0.17 | 10 | 2.57 | 1.08 | 0.34 | 10 | 2.15 | 1.16 | 0.37 | 3 | 2.22 | 0.32 | 0.18 |
| | 9 | 10 | 240.66 | 50.97 | 16.12 | 10 | 234.27 | 101.25 | 32.02 | 10 | 233.75 | 43.55 | 13.77 | 3 | 236.23 | 3.85 | 2.22 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 4 (Continued)

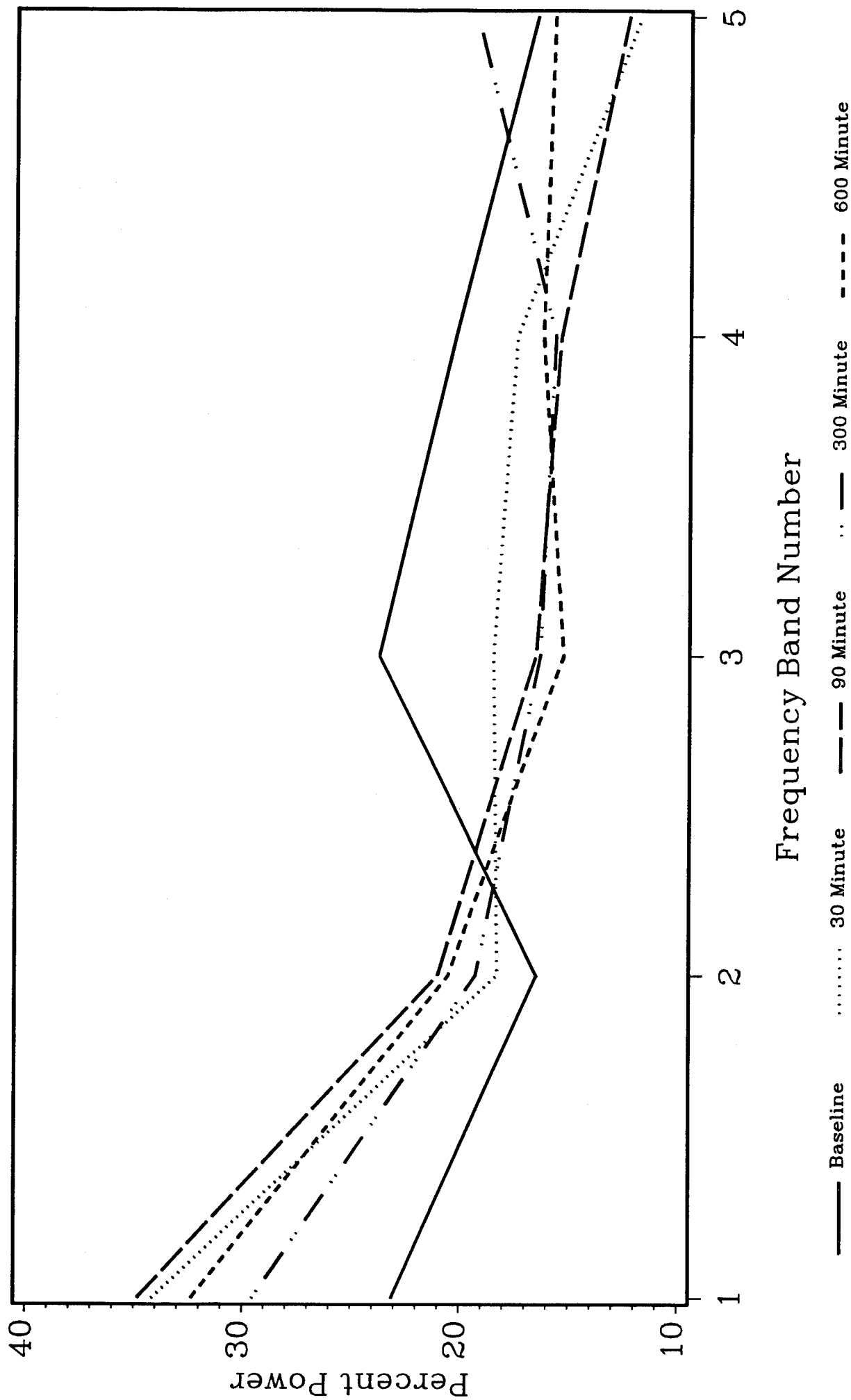
| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. |
|---------------|---------------|--------------|--------|-------|---------------|--------|-------|---------------|--------|-------|------------|-------|-------|
| | | N | Mean | Std. | N | Mean | Std. | N | Mean | Std. | Mean | Std. | |
| 600-Minute | 1 | 10 | 23.09 | 7.84 | 10 | 24.84 | 9.79 | 10 | 29.05 | 9.21 | 25.66 | 3.06 | 1.77 |
| | 2 | 10 | 14.09 | 6.10 | 10 | 18.72 | 6.52 | 10 | 19.17 | 6.71 | 17.33 | 2.81 | 1.62 |
| | 3 | 10 | 21.09 | 10.76 | 10 | 28.00 | 22.45 | 10 | 34.31 | 19.07 | 27.80 | 6.61 | 3.82 |
| | 4 | 10 | 45.60 | 17.42 | 10 | 38.41 | 20.22 | 10 | 37.72 | 20.24 | 40.58 | 4.36 | 2.52 |
| | 5 | 10 | 64.83 | 25.20 | 10 | 67.35 | 33.43 | 10 | 59.10 | 30.63 | 63.76 | 4.23 | 2.44 |
| | 6 | 10 | 49.07 | 16.37 | 10 | 40.12 | 31.91 | 10 | 41.38 | 23.08 | 43.52 | 4.85 | 2.80 |
| | 7 | 10 | 178.12 | 66.54 | 10 | 122.56 | 69.08 | 10 | 133.87 | 67.79 | 144.85 | 29.36 | 16.95 |
| | 8 | 10 | 1.65 | 0.91 | 10 | 1.97 | 2.25 | 10 | 1.16 | 0.55 | 1.59 | 0.41 | 0.24 |
| | 9 | 10 | 168.70 | 40.35 | 10 | 177.32 | 71.10 | 10 | 179.35 | 62.01 | 175.13 | 5.65 | 3.26 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.2 mg/kg OF ATROPINE IM

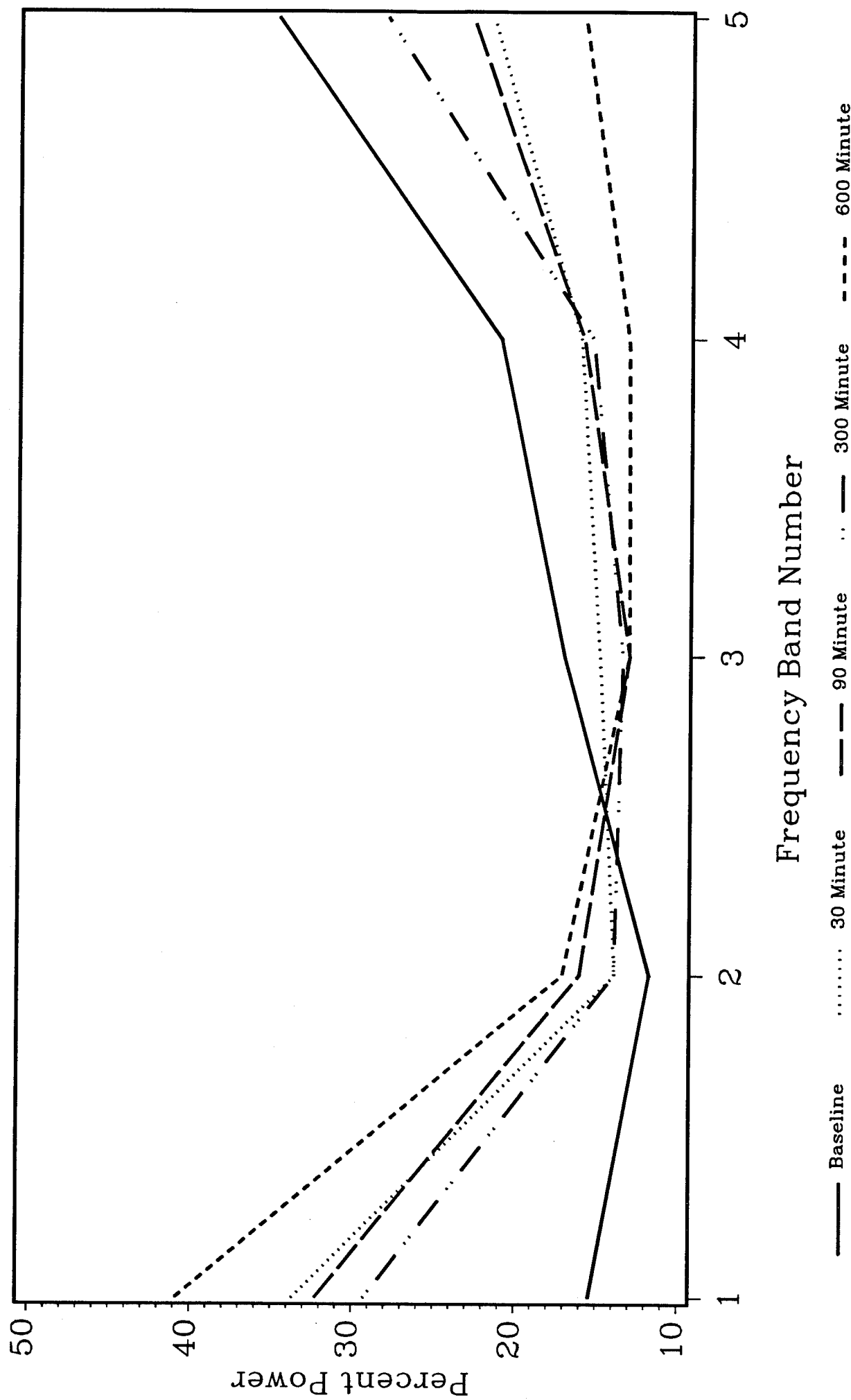
PARAMETER = Percent Power
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|-------|-------|---------------|-------|-------|---------------|-------|-------|------------|-------|------|
| | | N | Mean | Std. | N | Mean | Std. | N | Mean | Std. | N | Mean | Std. |
| Baseline | 1 | 10 | 29.67 | 11.44 | 10 | 22.53 | 4.52 | 10 | 25.47 | 10.67 | 3 | 25.89 | 3.59 |
| | 2 | 10 | 16.32 | 7.21 | 10 | 16.31 | 5.40 | 10 | 17.83 | 4.95 | 3 | 16.82 | 0.88 |
| | 3 | 10 | 20.78 | 7.01 | 10 | 24.86 | 5.57 | 10 | 23.56 | 5.54 | 3 | 23.07 | 2.09 |
| | 4 | 10 | 16.87 | 8.07 | 10 | 15.44 | 4.71 | 10 | 16.45 | 5.37 | 3 | 16.25 | 0.73 |
| | 5 | 10 | 16.37 | 7.72 | 10 | 20.85 | 7.61 | 10 | 16.68 | 4.72 | 3 | 17.97 | 2.50 |
| 30-Minute | 1 | 10 | 43.51 | 15.59 | 10 | 50.20 | 12.15 | 10 | 51.76 | 10.88 | 3 | 48.49 | 4.38 |
| | 2 | 10 | 14.85 | 6.78 | 10 | 11.87 | 5.54 | 10 | 17.31 | 6.96 | 3 | 14.67 | 2.72 |
| | 3 | 10 | 12.91 | 9.81 | 10 | 12.53 | 4.17 | 10 | 12.52 | 4.37 | 3 | 12.65 | 0.23 |
| | 4 | 10 | 13.44 | 3.50 | 10 | 13.14 | 6.76 | 10 | 10.17 | 3.73 | 3 | 12.25 | 1.81 |
| | 5 | 10 | 15.29 | 4.68 | 10 | 12.26 | 6.08 | 10 | 9.08 | 2.12 | 3 | 12.21 | 3.10 |
| 90-Minute | 1 | 10 | 37.96 | 15.11 | 10 | 33.21 | 8.56 | 10 | 39.23 | 12.07 | 3 | 36.80 | 3.17 |
| | 2 | 10 | 14.40 | 4.92 | 10 | 19.37 | 9.05 | 10 | 22.93 | 9.34 | 3 | 18.90 | 4.28 |
| | 3 | 10 | 13.67 | 4.91 | 10 | 16.02 | 4.48 | 10 | 14.53 | 5.99 | 3 | 14.74 | 1.19 |
| | 4 | 10 | 16.58 | 7.07 | 10 | 17.75 | 6.94 | 10 | 11.67 | 3.75 | 3 | 15.33 | 3.23 |
| | 5 | 10 | 17.39 | 4.55 | 10 | 13.66 | 4.12 | 10 | 11.66 | 4.10 | 3 | 14.24 | 2.91 |
| 300-Minute | 1 | 10 | 44.59 | 8.56 | 10 | 44.89 | 16.49 | 10 | 42.56 | 12.00 | 3 | 44.01 | 1.27 |
| | 2 | 10 | 14.18 | 3.43 | 10 | 18.28 | 9.08 | 10 | 16.94 | 4.25 | 3 | 16.47 | 2.09 |
| | 3 | 10 | 14.49 | 5.28 | 10 | 14.21 | 4.81 | 10 | 15.02 | 5.39 | 3 | 14.57 | 0.41 |
| | 4 | 10 | 10.34 | 4.13 | 10 | 9.81 | 3.32 | 10 | 11.25 | 3.49 | 3 | 10.46 | 0.73 |
| | 5 | 10 | 16.40 | 4.43 | 10 | 12.80 | 5.57 | 10 | 14.24 | 4.85 | 3 | 14.48 | 1.81 |
| 600-Minute | 1 | 10 | 40.51 | 12.07 | 10 | 31.41 | 13.29 | 10 | 38.80 | 17.12 | 3 | 36.90 | 4.84 |
| | 2 | 10 | 13.70 | 6.12 | 10 | 21.49 | 6.07 | 10 | 16.36 | 7.20 | 3 | 17.18 | 3.96 |
| | 3 | 10 | 14.90 | 4.33 | 10 | 13.87 | 3.91 | 10 | 11.43 | 5.09 | 3 | 13.40 | 1.79 |
| | 4 | 10 | 13.69 | 4.88 | 10 | 14.22 | 6.74 | 10 | 11.97 | 5.63 | 3 | 13.29 | 1.18 |
| | 5 | 10 | 17.20 | 3.95 | 10 | 19.01 | 5.62 | 10 | 21.46 | 13.72 | 3 | 19.22 | 2.13 |
| | 1 | 10 | 40.51 | 12.07 | 10 | 31.41 | 13.29 | 10 | 38.80 | 17.12 | 3 | 36.90 | 4.84 |
| | 2 | 10 | 13.70 | 6.12 | 10 | 21.49 | 6.07 | 10 | 16.36 | 7.20 | 3 | 17.18 | 3.96 |
| | 3 | 10 | 14.90 | 4.33 | 10 | 13.87 | 3.91 | 10 | 11.43 | 5.09 | 3 | 13.40 | 1.79 |
| | 4 | 10 | 13.69 | 4.88 | 10 | 14.22 | 6.74 | 10 | 11.97 | 5.63 | 3 | 13.29 | 1.18 |
| | 5 | 10 | 17.20 | 3.95 | 10 | 19.01 | 5.62 | 10 | 21.46 | 13.72 | 3 | 19.22 | 2.13 |

Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09
Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows
Animal ID=4E5 Atropine Dose (mg/kg)=0.1 Channel=2



Spectral Re--Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09
Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows
Animal ID=4E5 Atropine Dose (mg/kg)=0.1 Channel=1

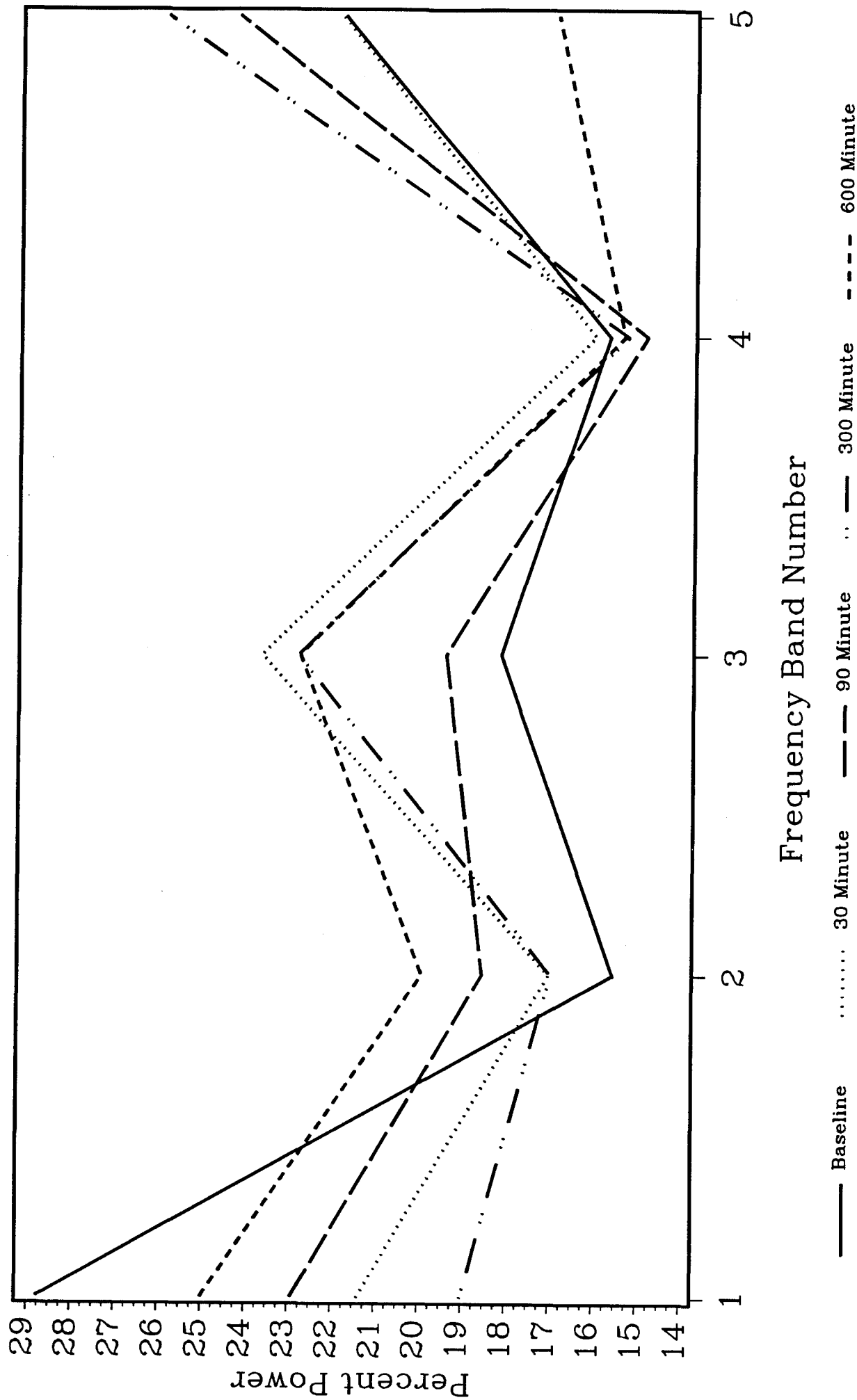


Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine

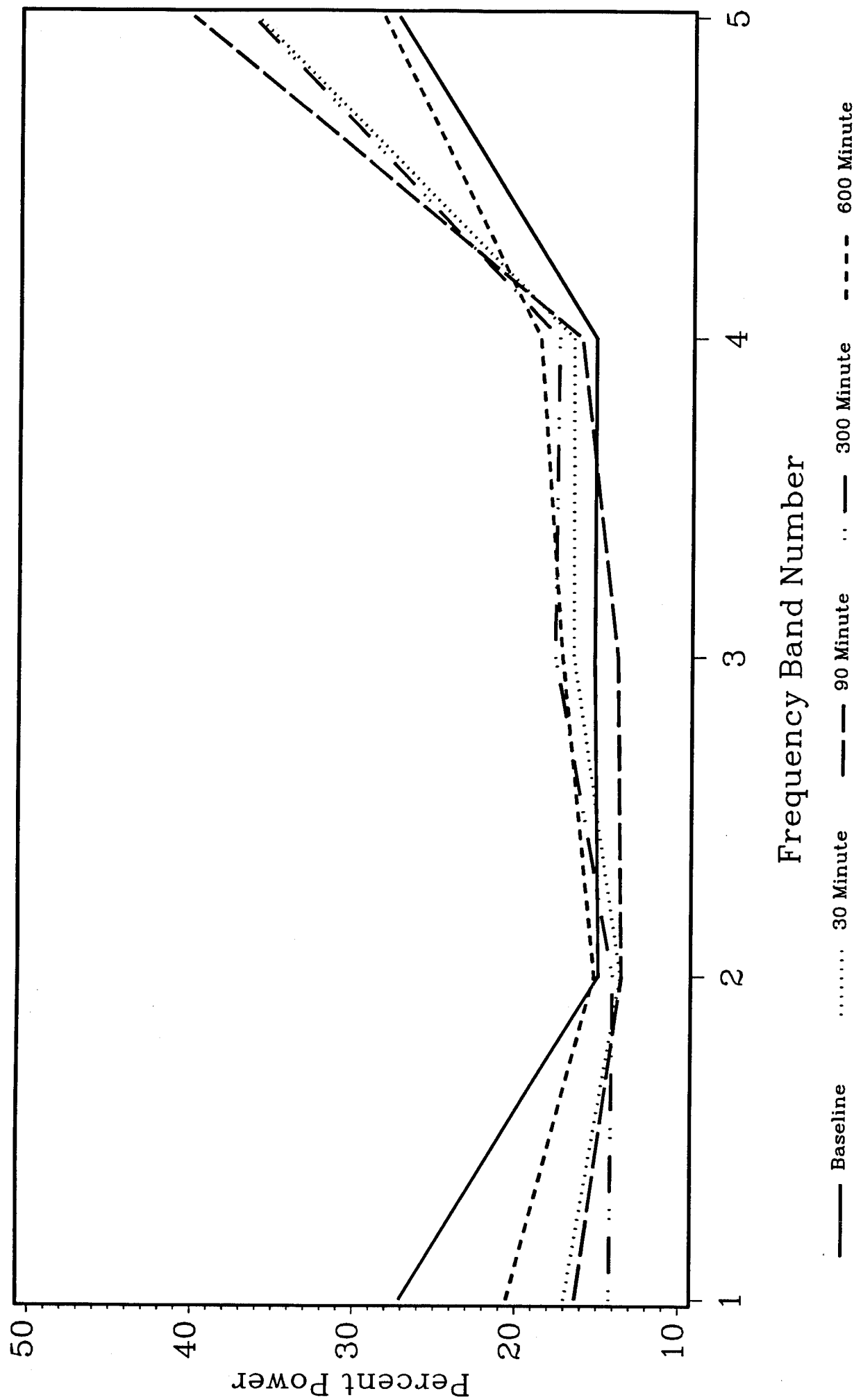
Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

Animal ID=4E5 Atropine Dose (mg/kg)=0.0 Channel=4



Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine Task: 89-09 Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows Animal ID=4E5 Atropine Dose (mg/kg)=0.0 Channel=3

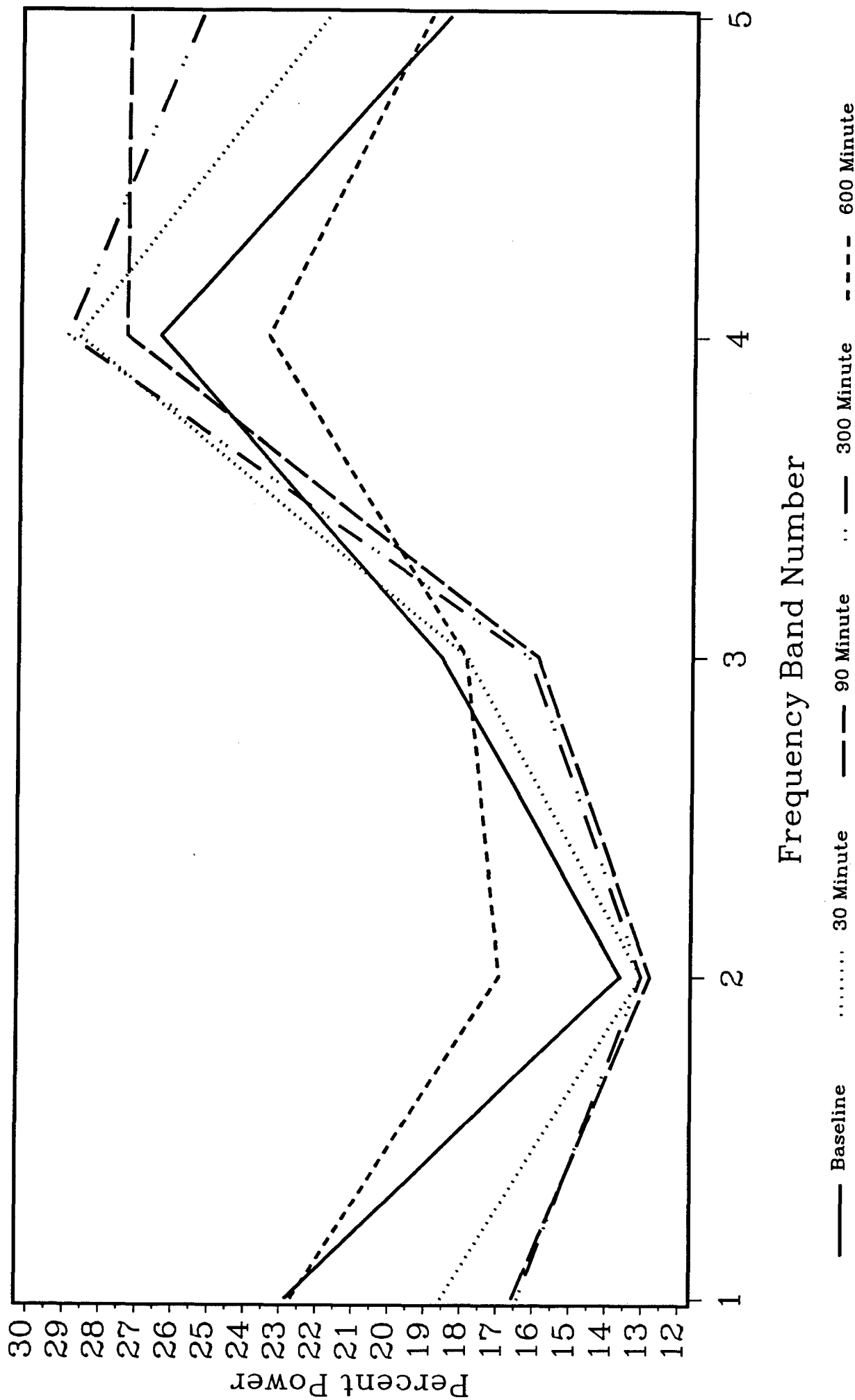


Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine

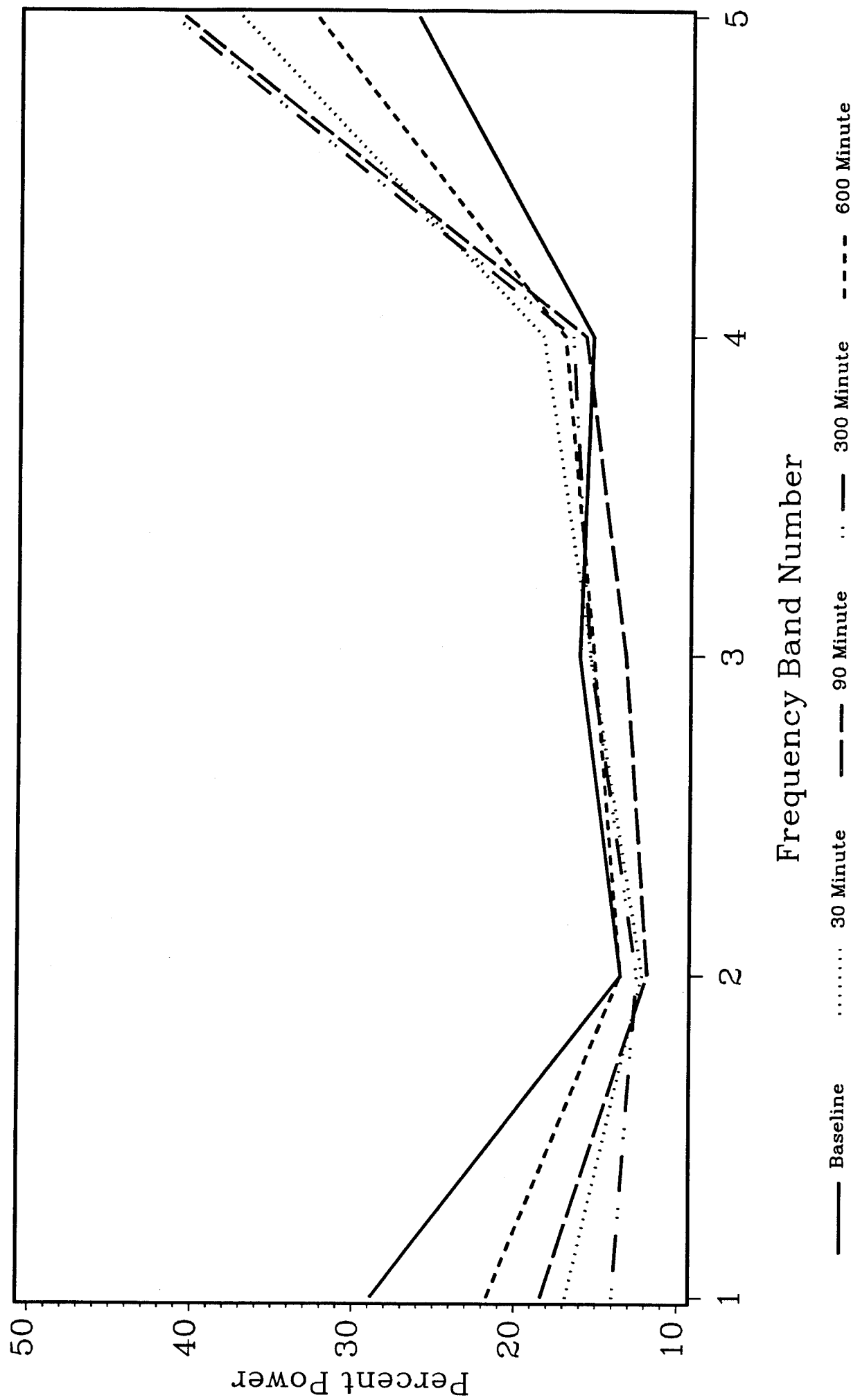
Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

Animal ID=4E5 Atropine Dose (mg/kg)=0.0 Channel=2



Spectral Re--Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09
Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows
Animal ID=4E5 Atropine Dose (mg/kg)=0.0 Channel=1



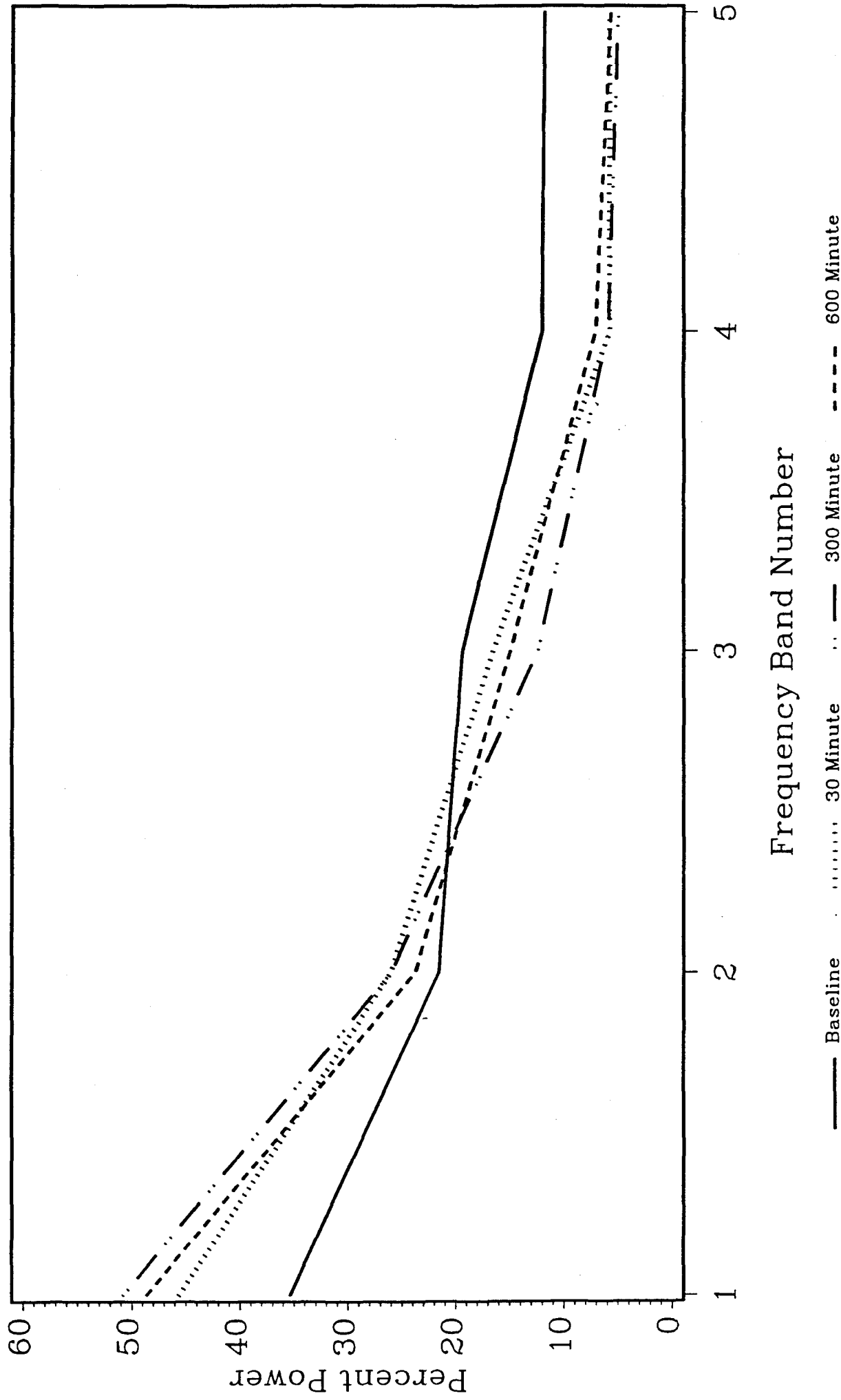
Animal 4E5

Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine

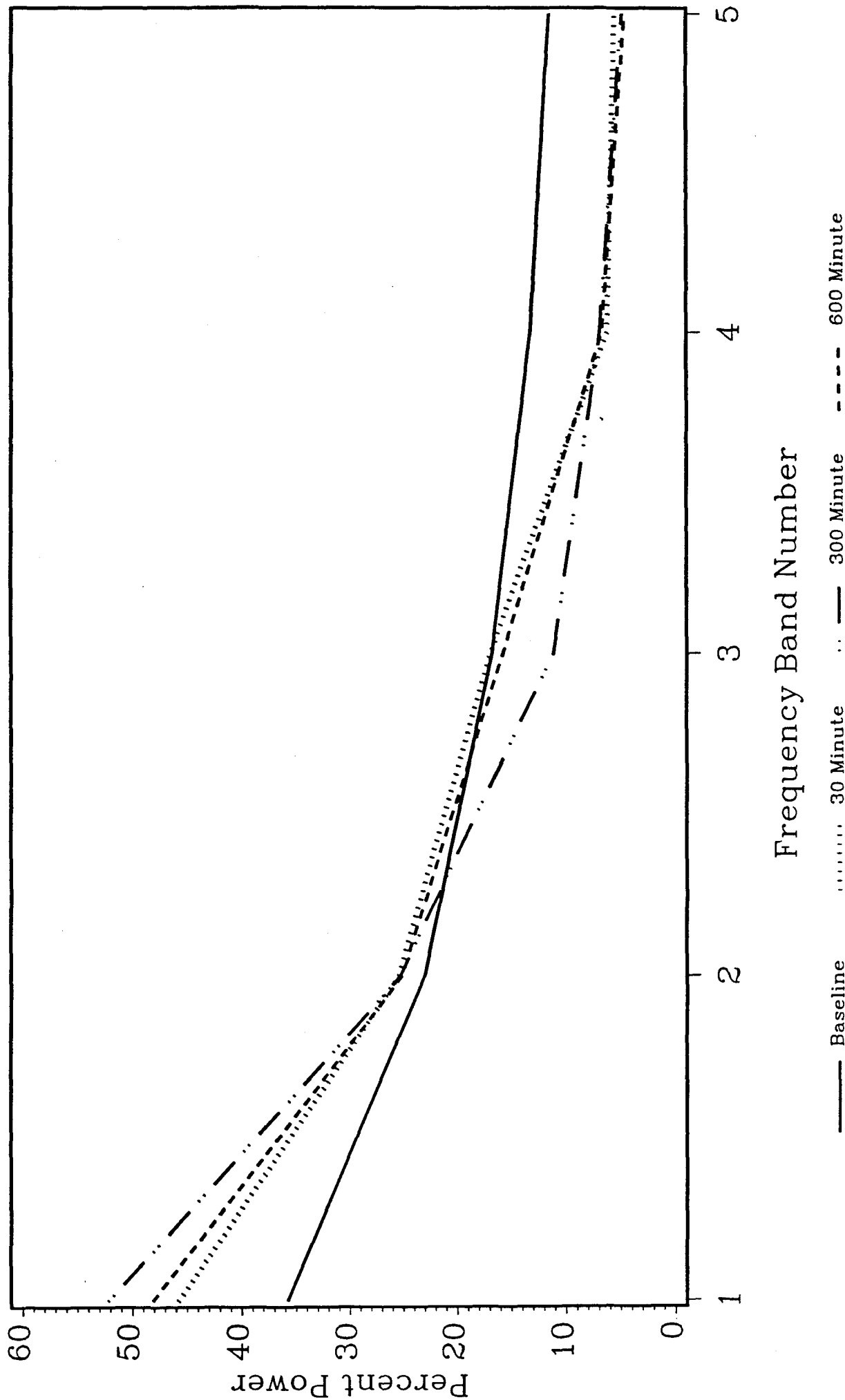
Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

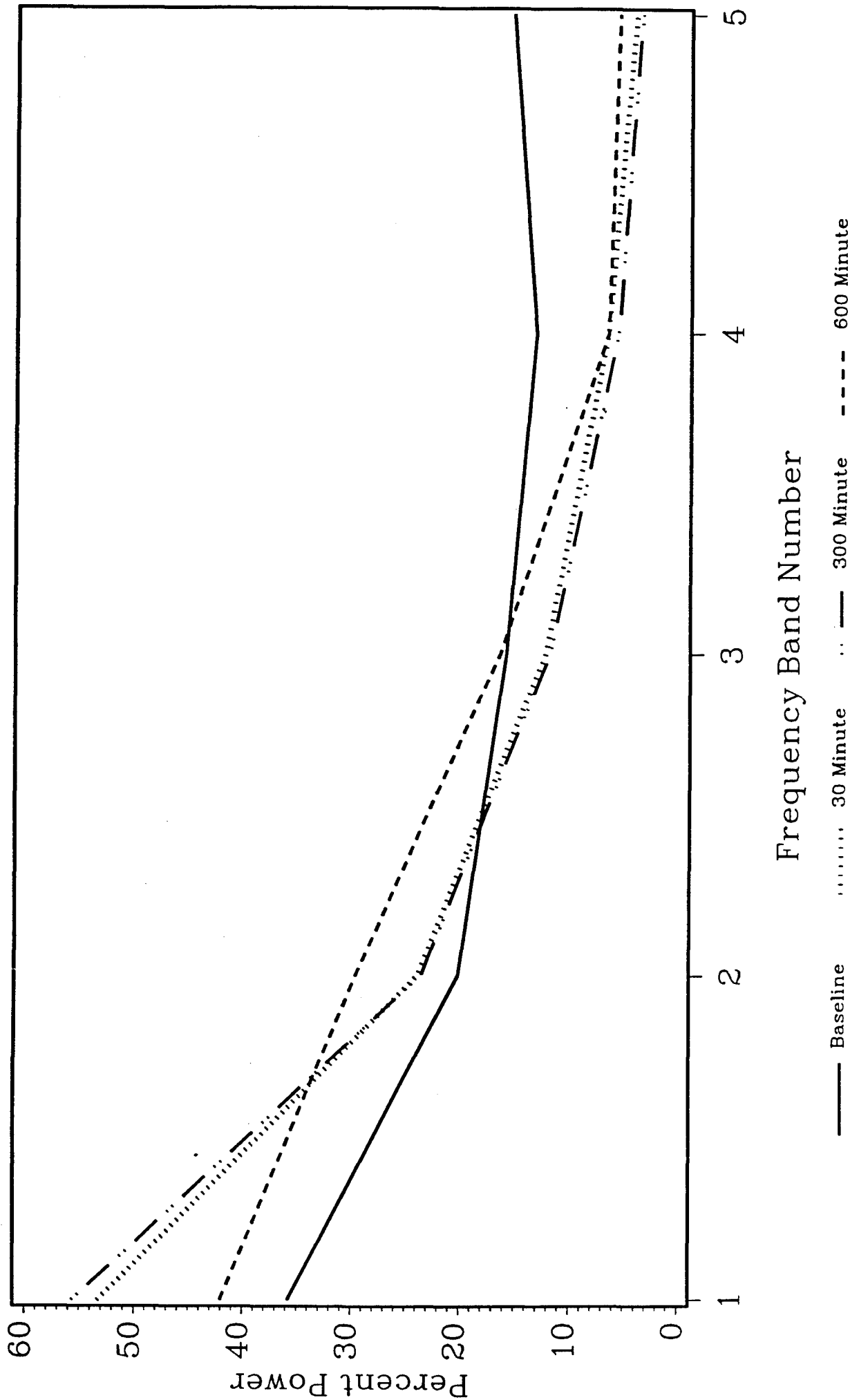
Animal ID=122X Atropine Dose (mg/kg)=0.4 Channel=4



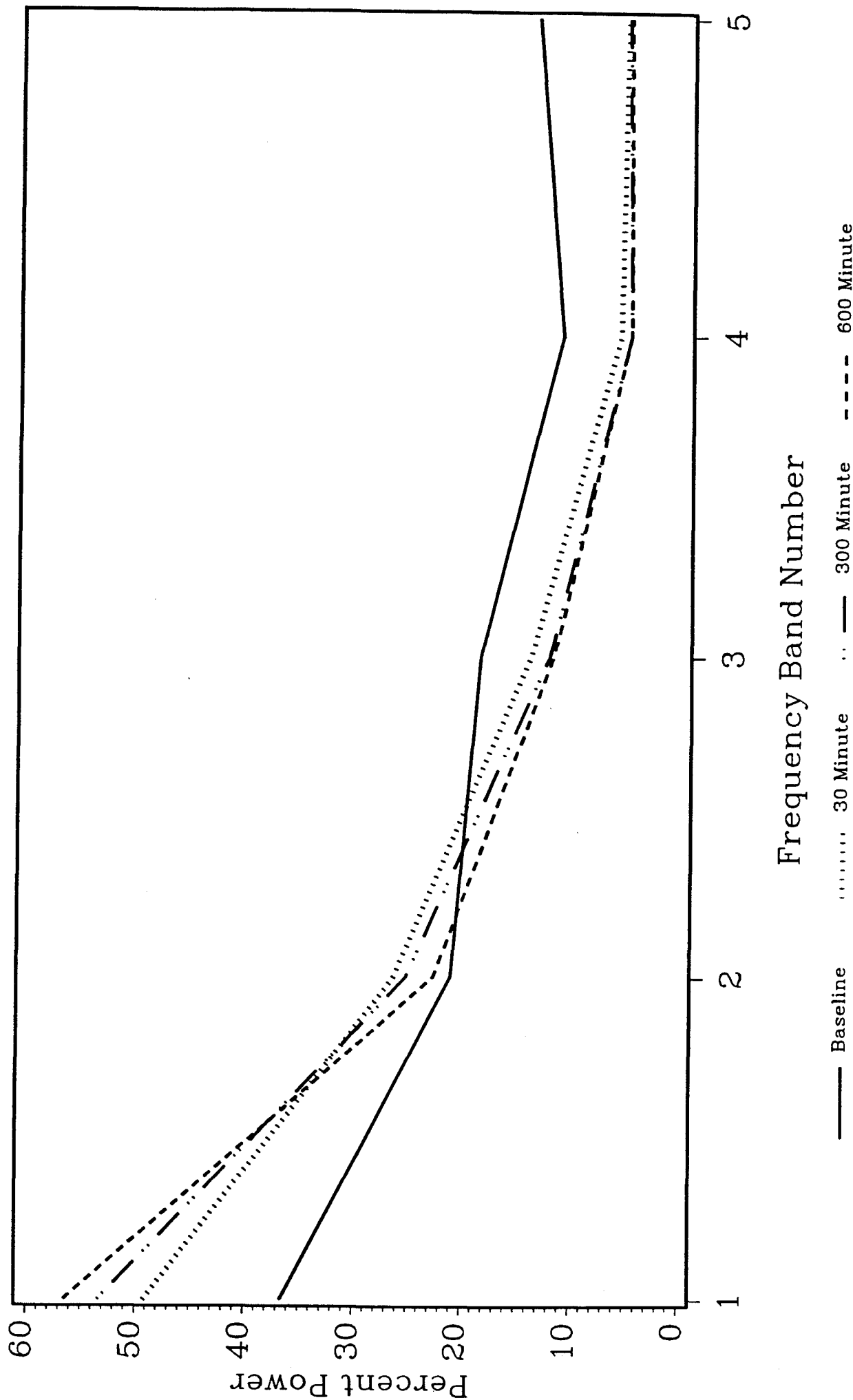
Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09
Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows
Animal ID=122X Atropine Dose (mg/kg)=0.4 Channel=3



Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
 Task: 89-09
 Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows
 Animal ID=122X Atropine Dose (mg/kg)=0.4 Channel=2



Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09
Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows
Animal ID=122X Atropine Dose (mg/kg)=0.4 Channel=1

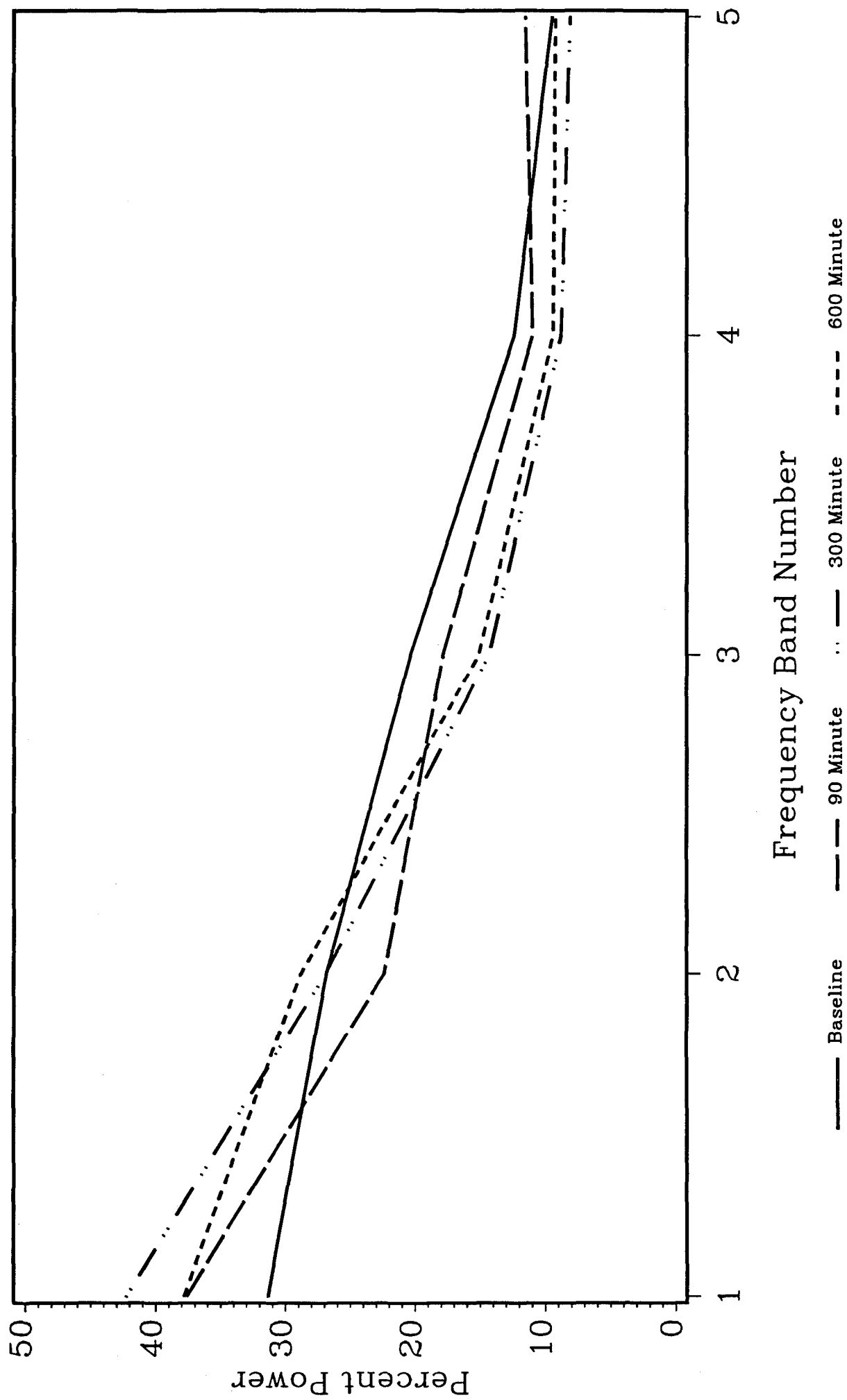


Spectral Re--Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine

Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

Animal ID=122X Atropine Dose (mg/kg)=0.2 Channel=4

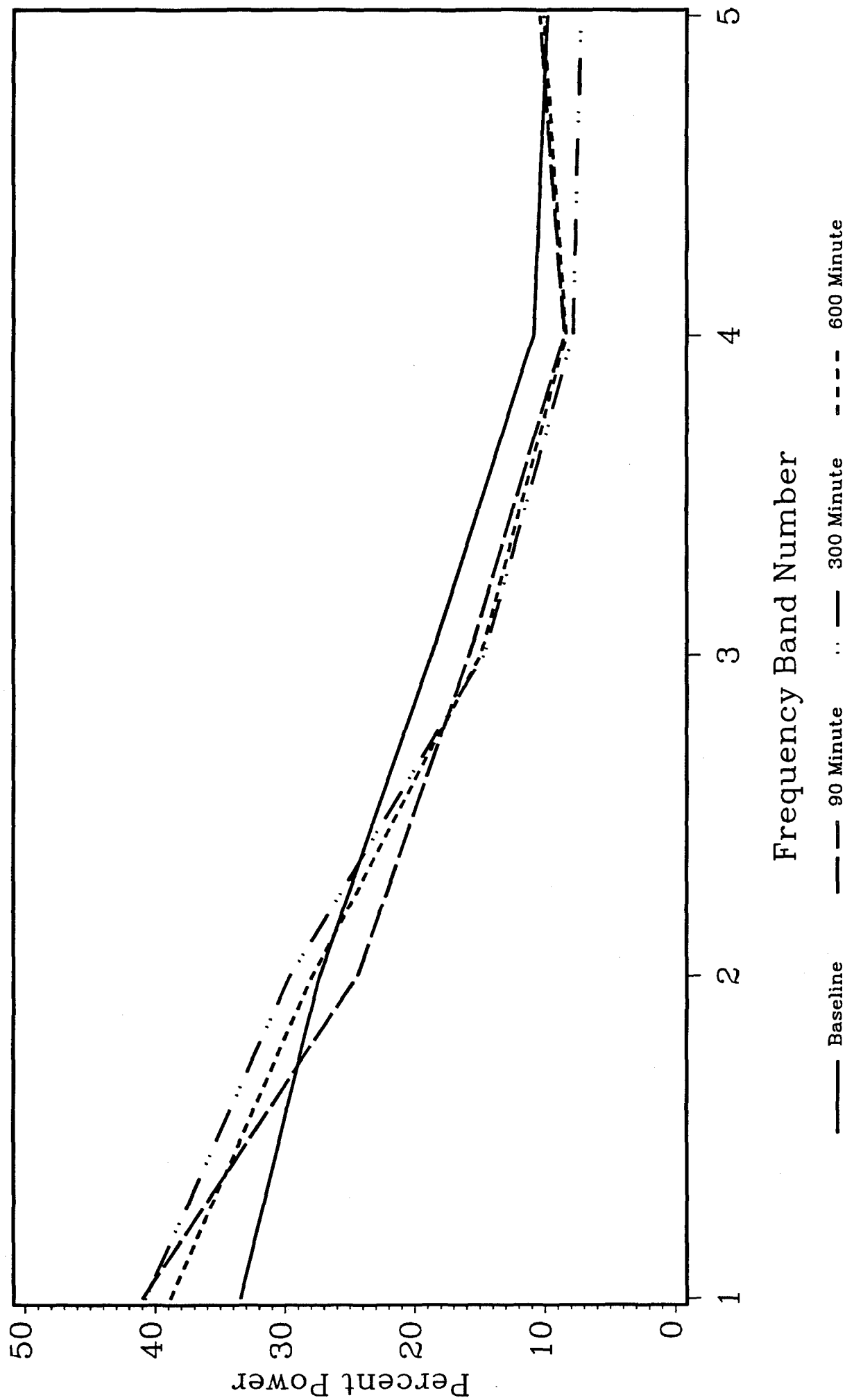


Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine

Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

Animal ID=122X Atropine Dose (mg/kg)=0.2 Channel=3

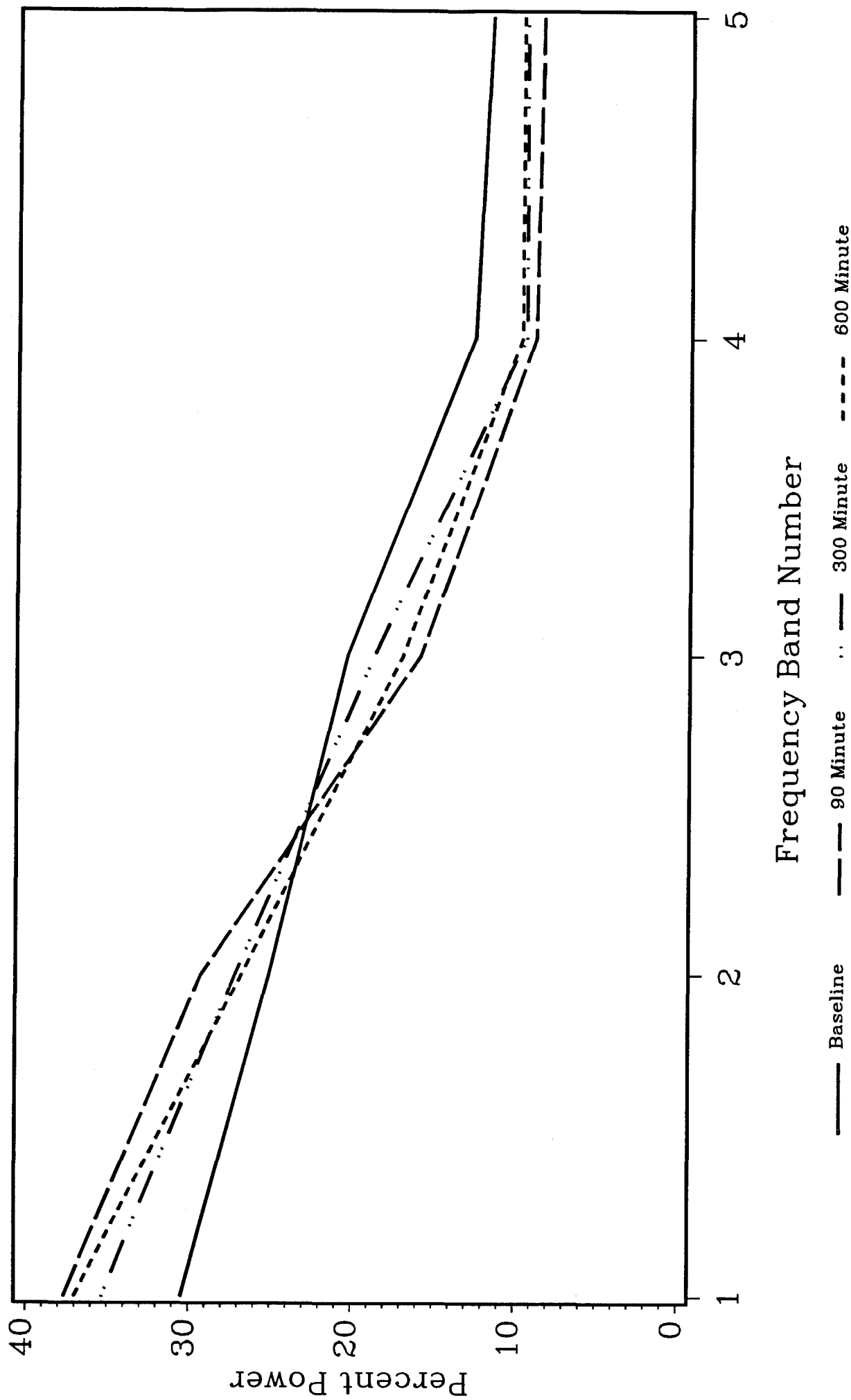


Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine

Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

Animal ID=122X Atropine Dose (mg/kg)=0.2 Channel=2

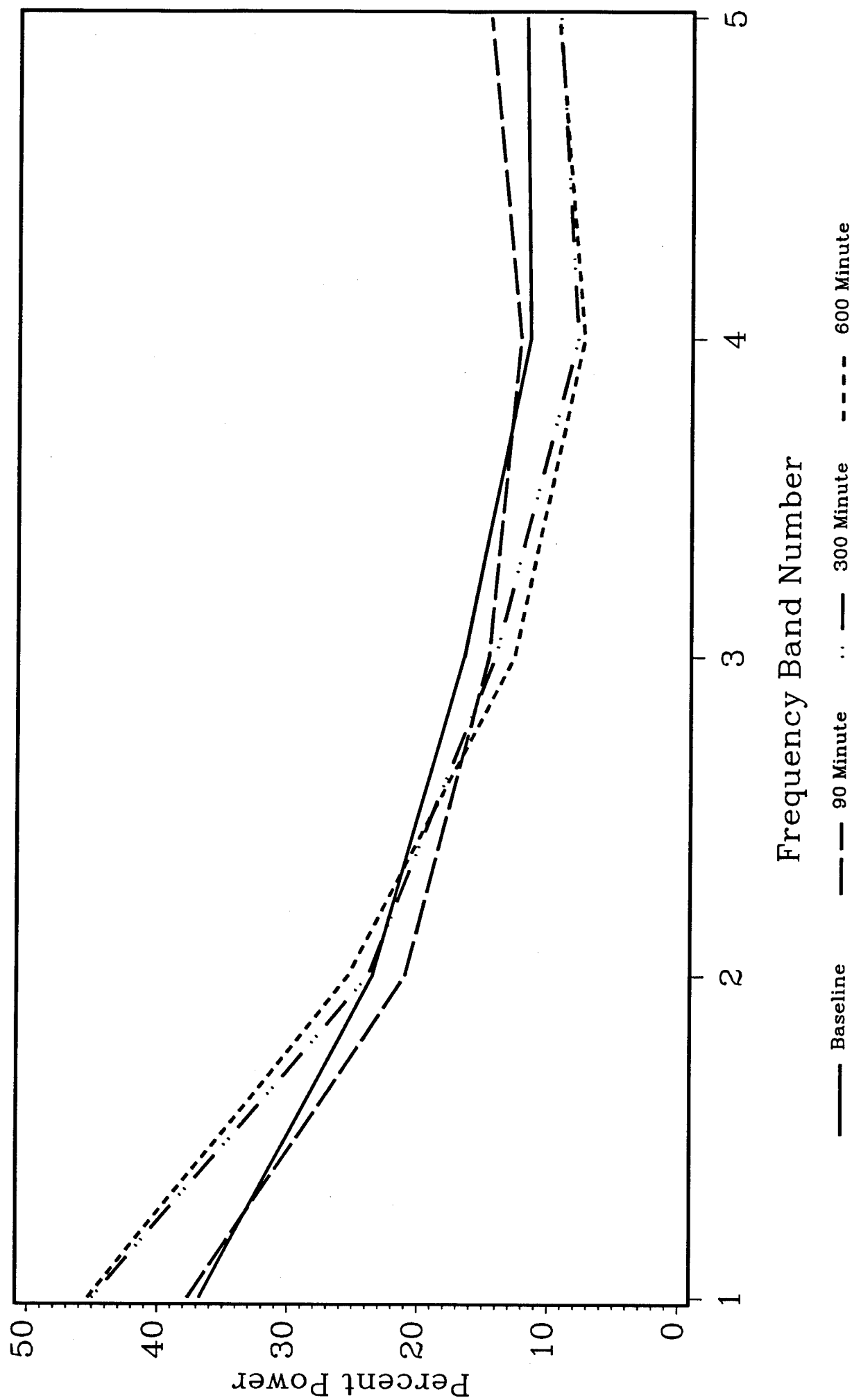


Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine

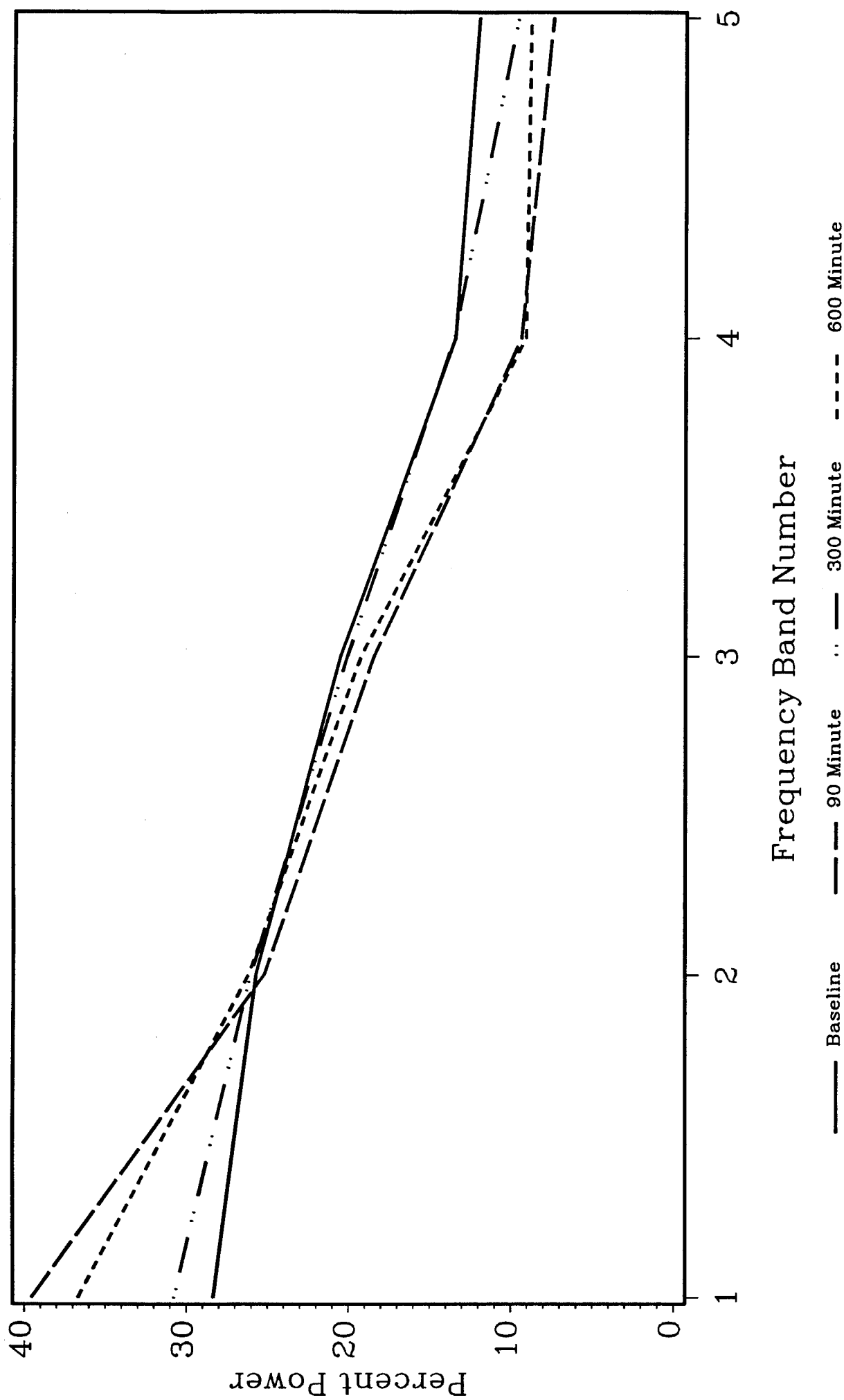
Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

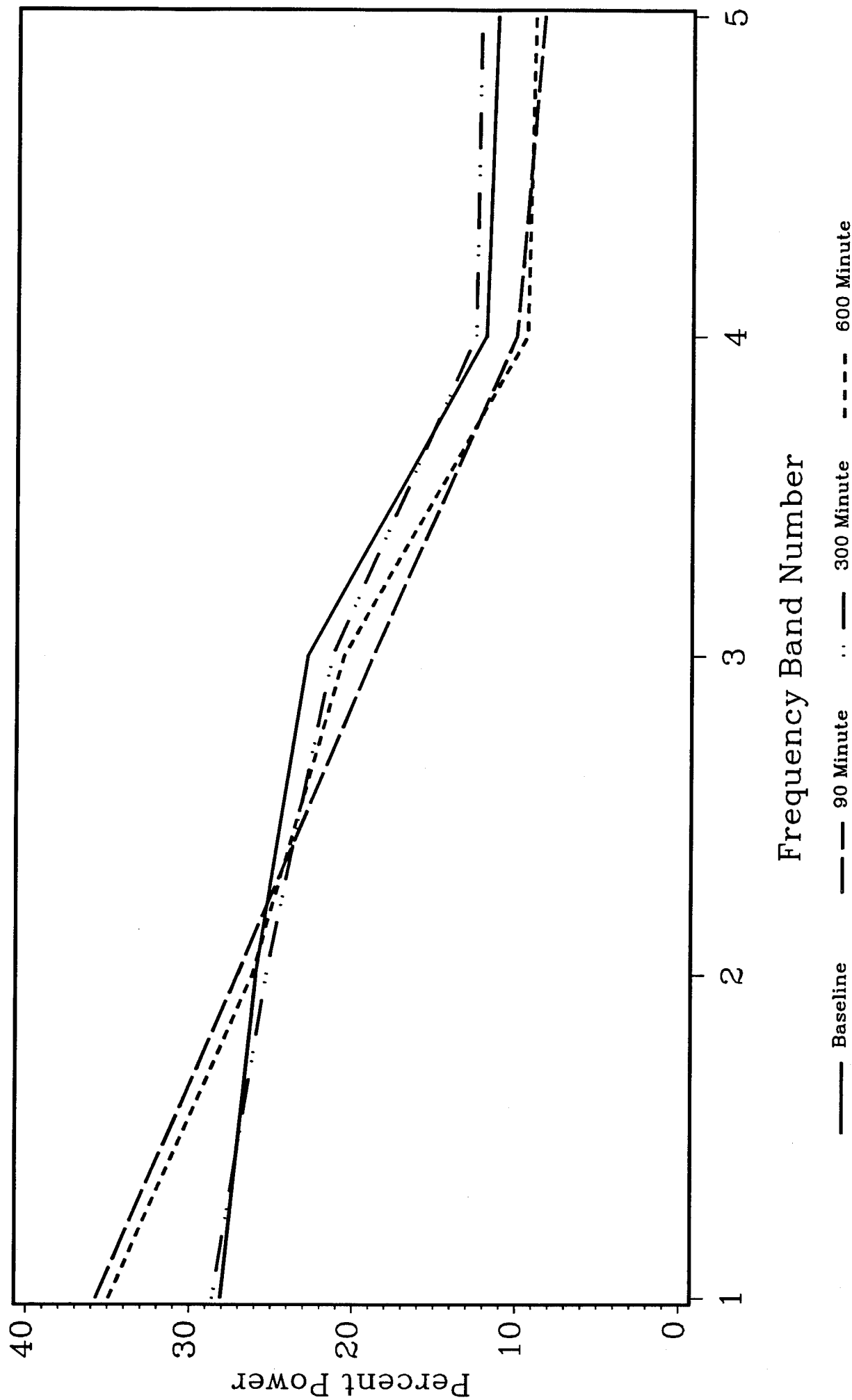
Animal ID=122X Atropine Dose (mg/kg)=0.2 Channel=1



Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09
Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows
Animal ID=122X Atropine Dose (mg/kg)=0.1 Channel=4



Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09
Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows
Animal ID=122X Atropine Dose (mg/kg)=0.1 Channel=3

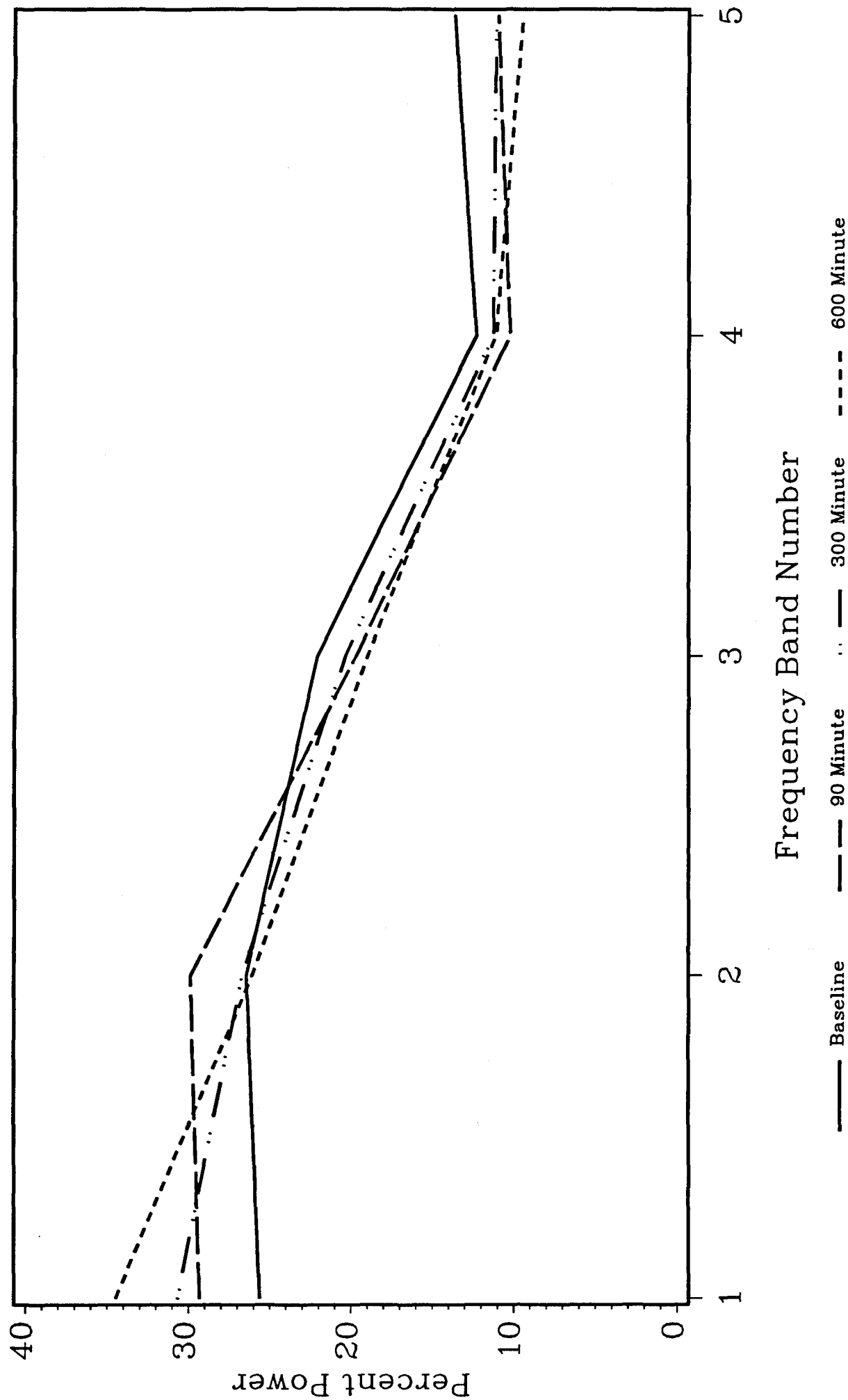


Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine

Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

Animal ID=122X Atropine Dose (mg/kg)=0.1 Channel=2

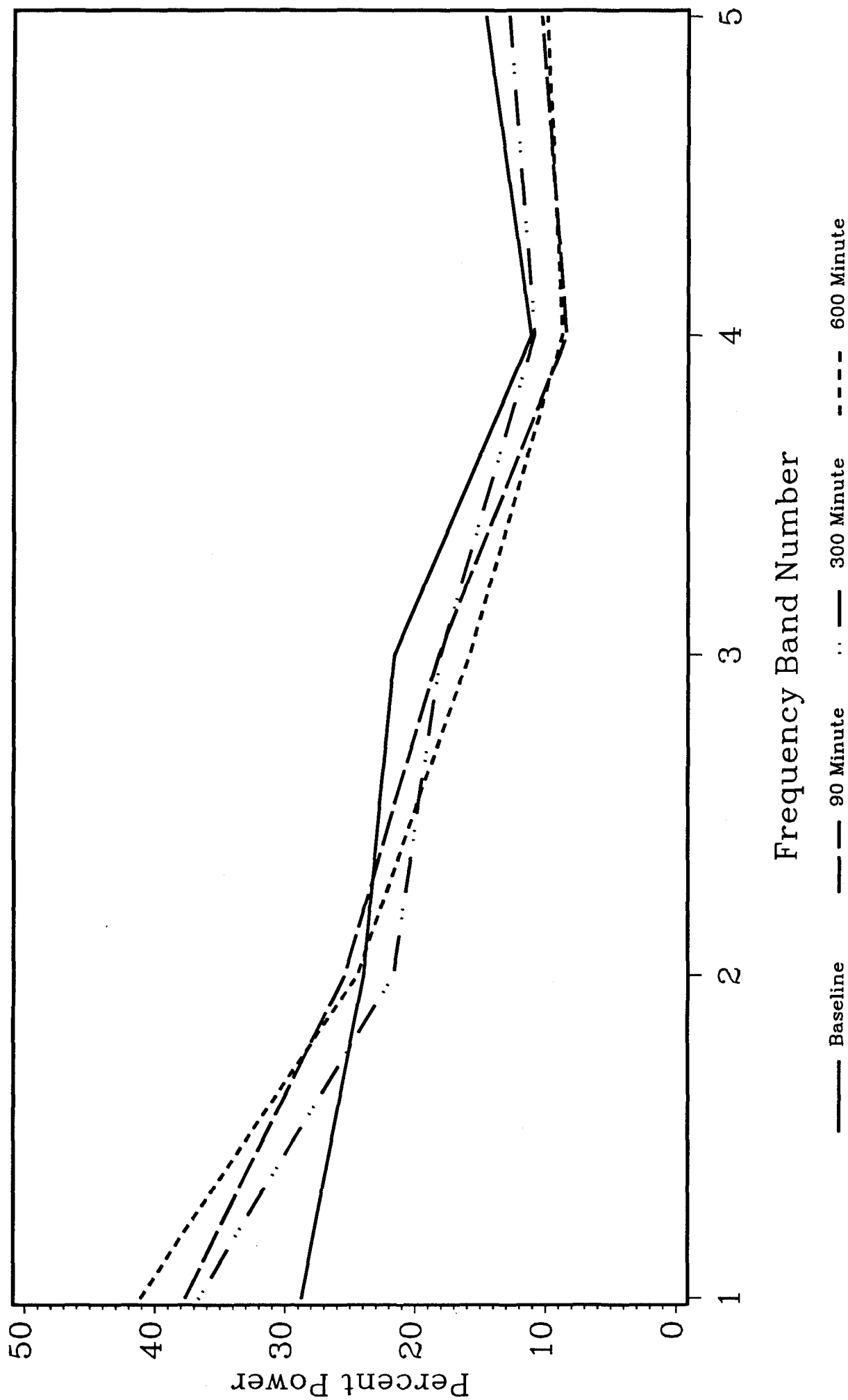


Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine

Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

Animal ID=122X Atropine Dose (mg/kg)=0.1 Channel=1

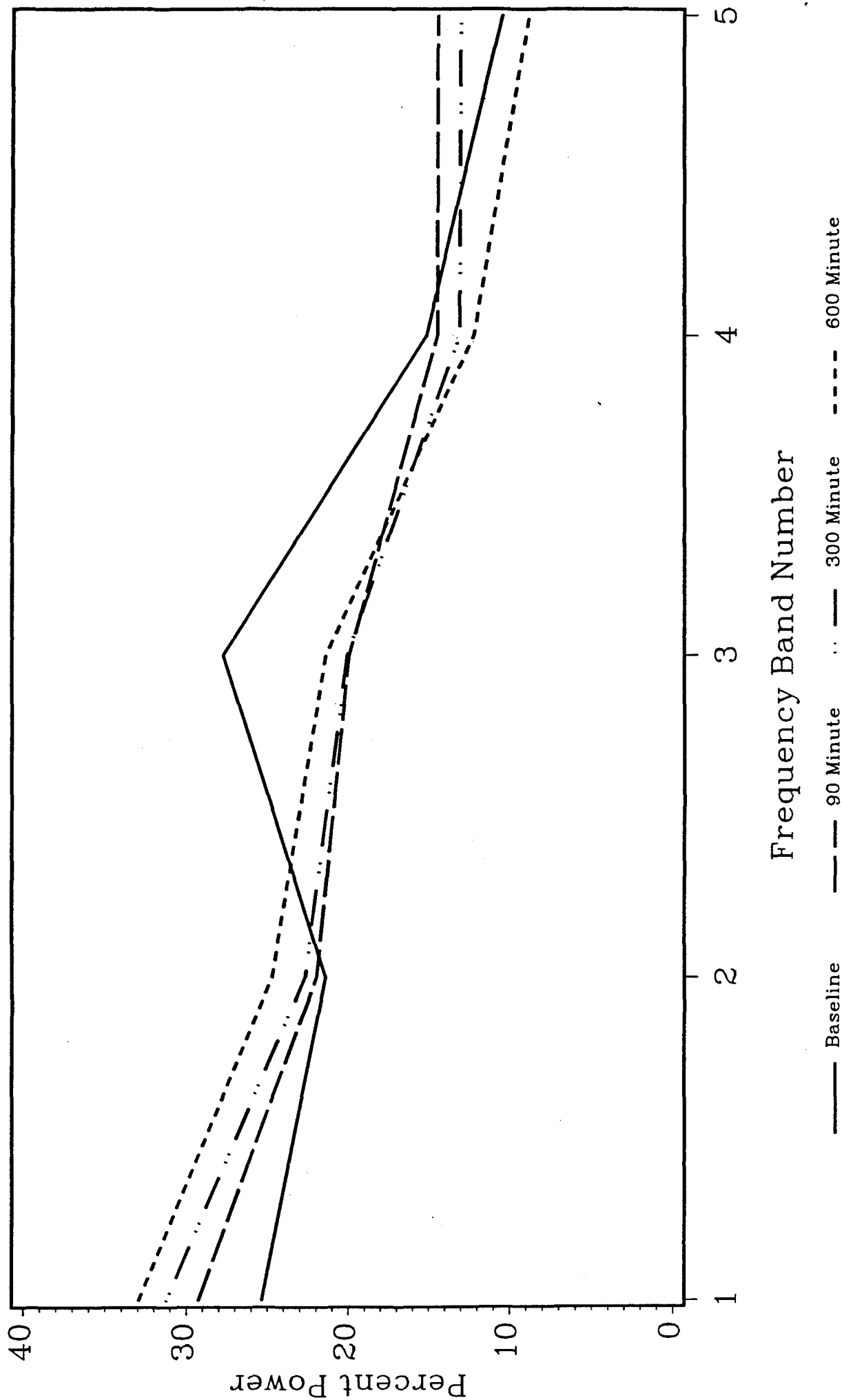


Spectral Re--Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine

Task: 89-09

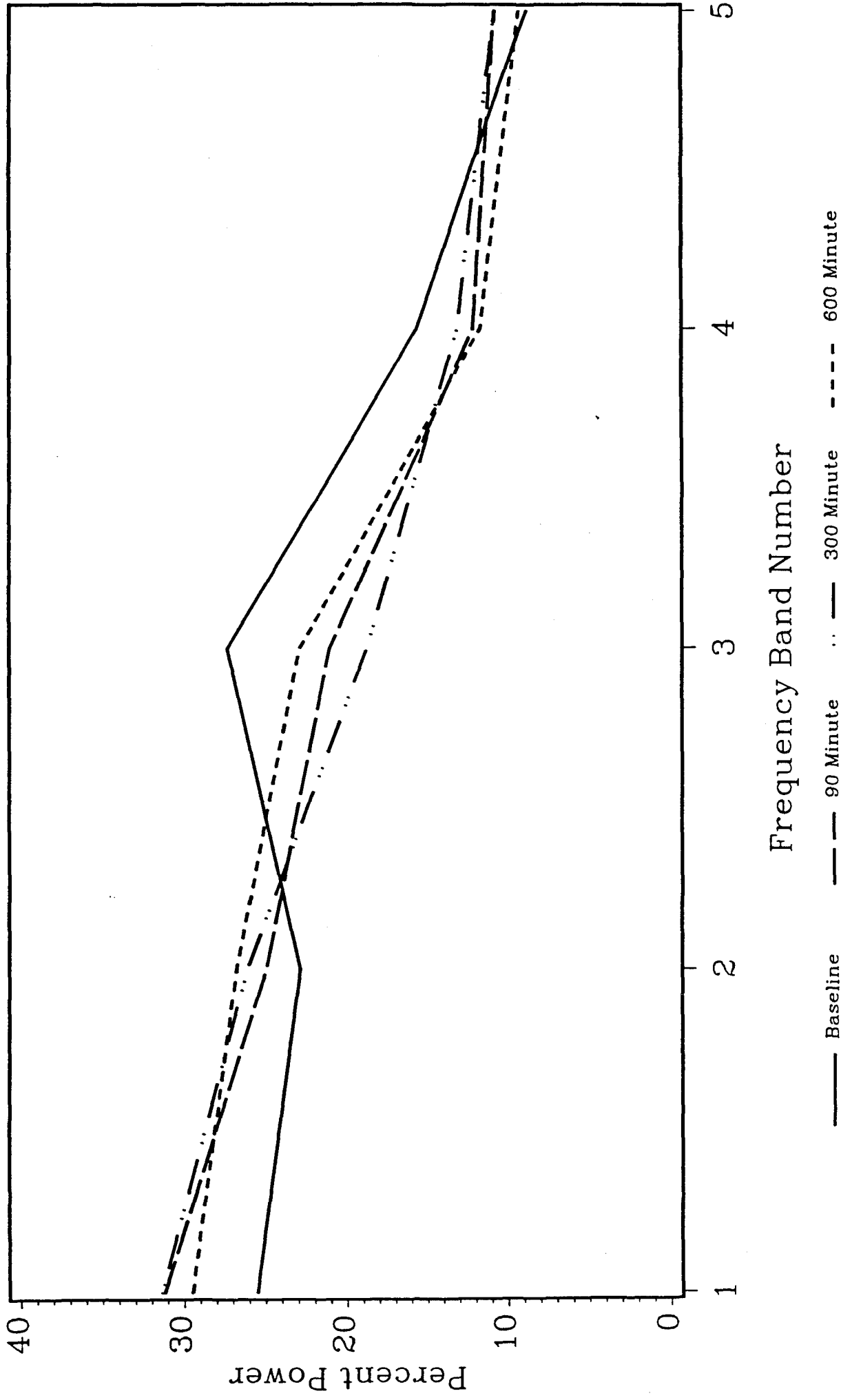
Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

Animal ID=122X Atropine Dose (mg/kg)=0.0 Channel=4

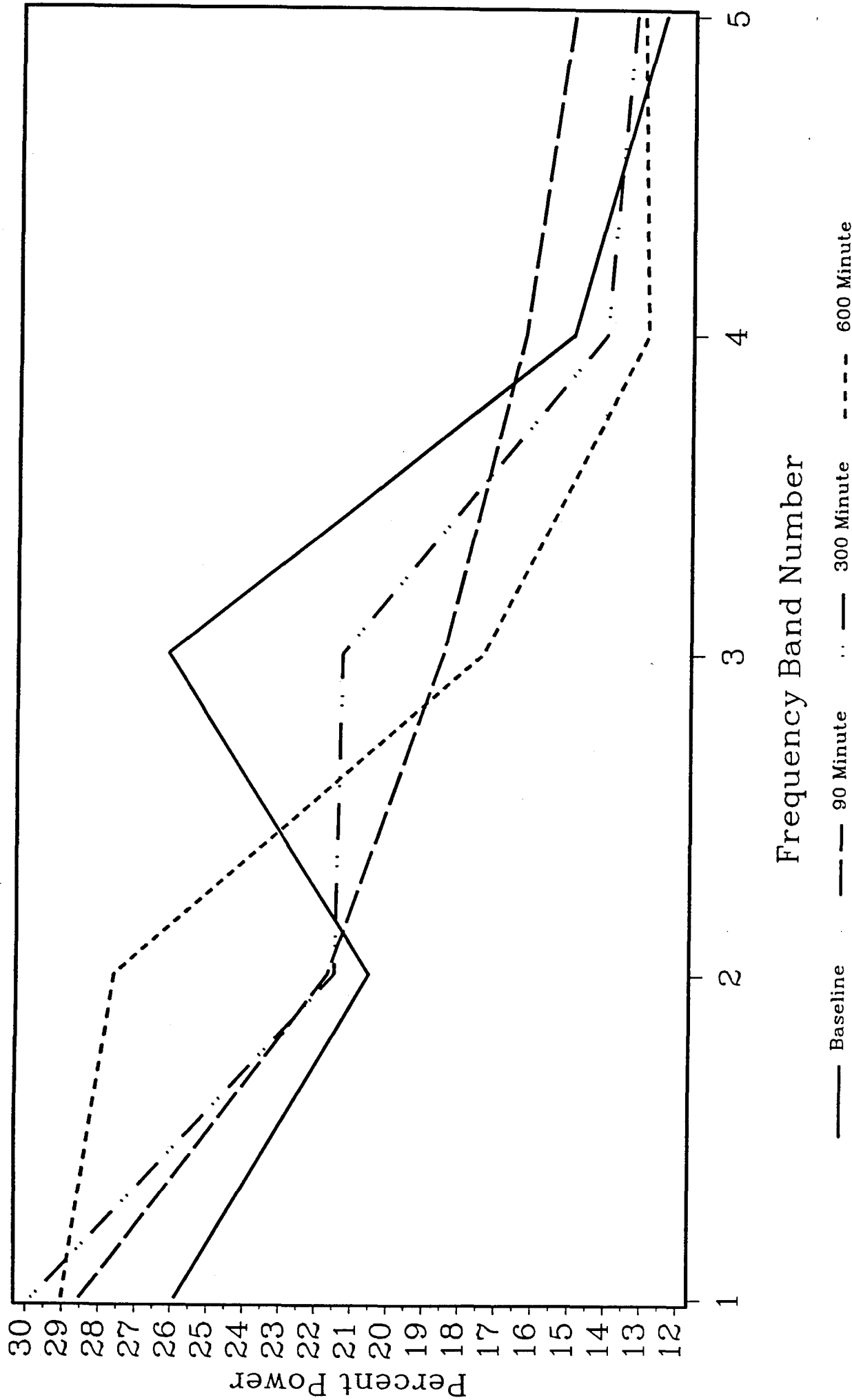


Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09

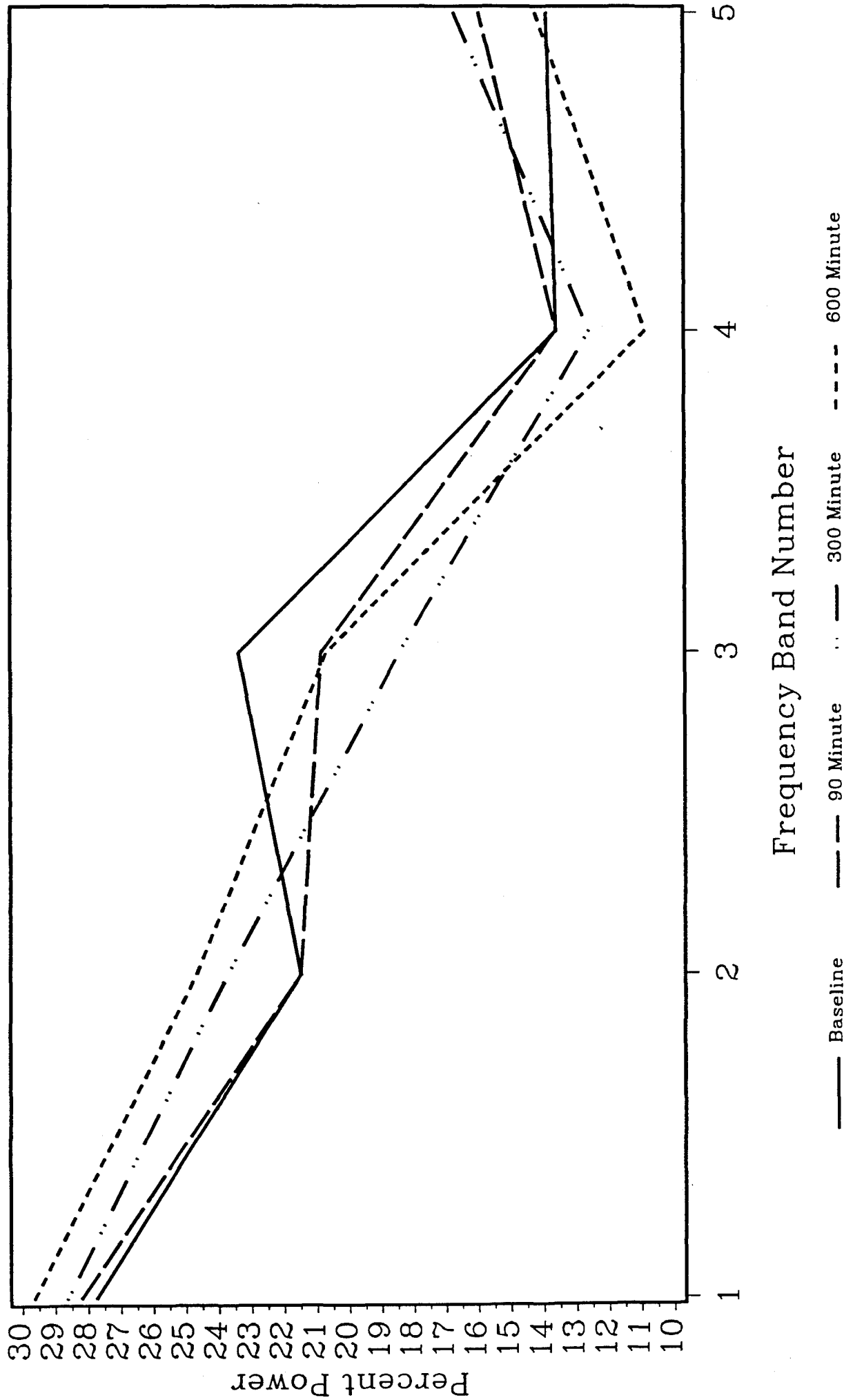
Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows
Animal ID=122X Atropine Dose (mg/kg)=0.0 Channel=3



Spectral Re--Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09
Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows
Animal ID=122X Atropine Dose (mg/kg)=0.0 Channel=2

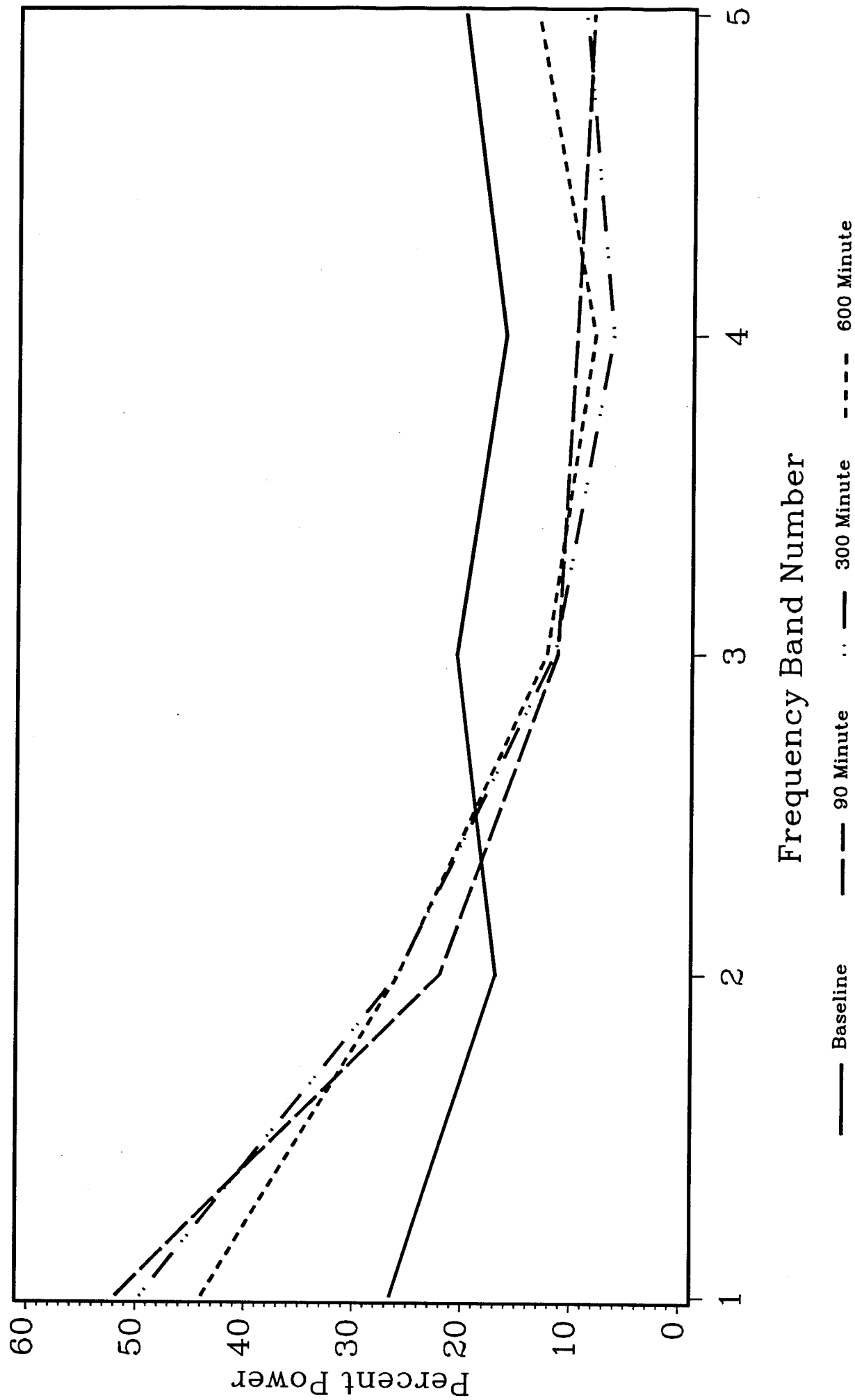


Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine Task: 89-09 Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows Animal ID=122X Atropine Dose (mg/kg)=0.0 Channel=1

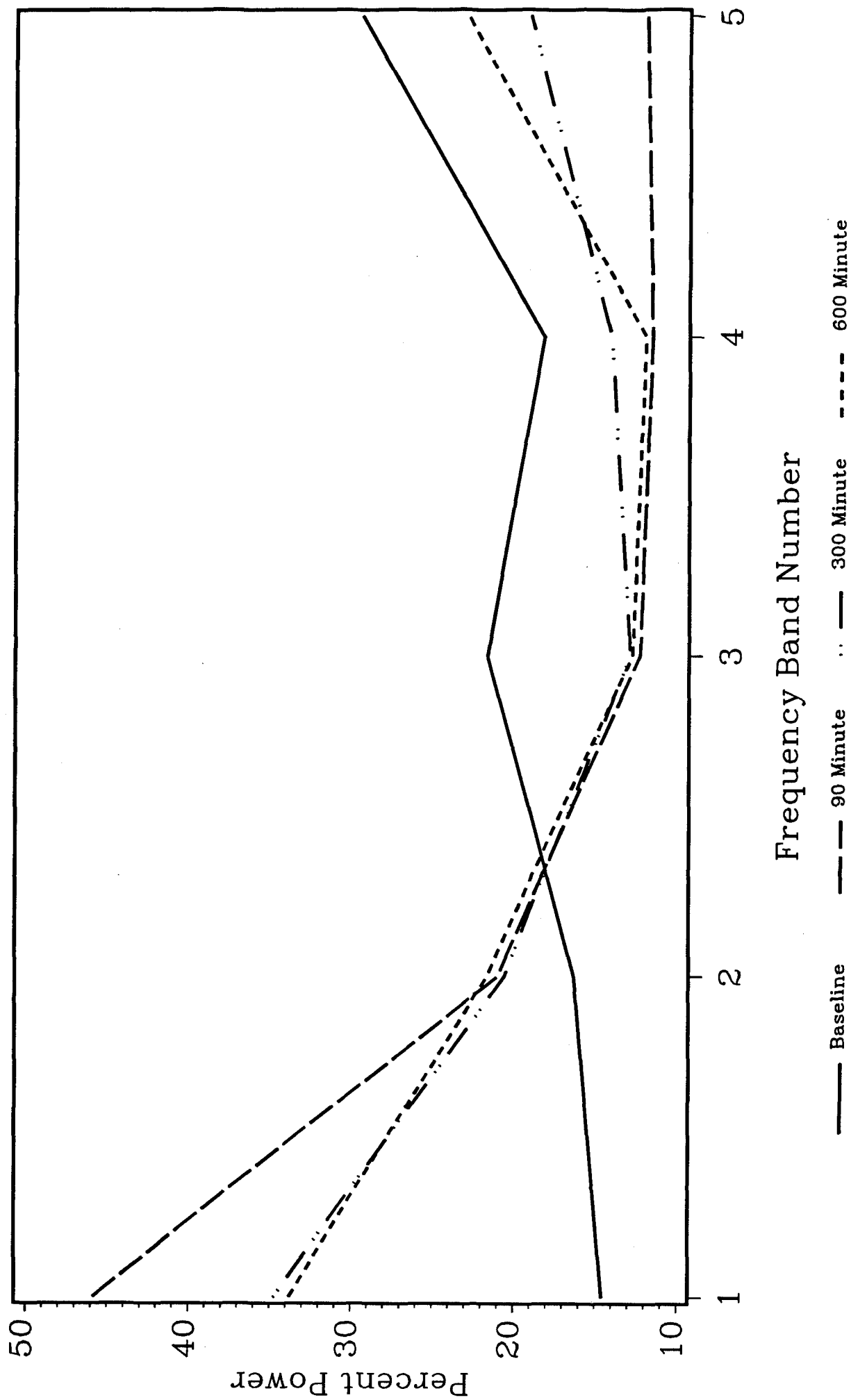


Animal 122X

Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
 Task: 89-09
 Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows
 Animal ID=038D Atropine Dose (mg/kg)=0.4 Channel=4

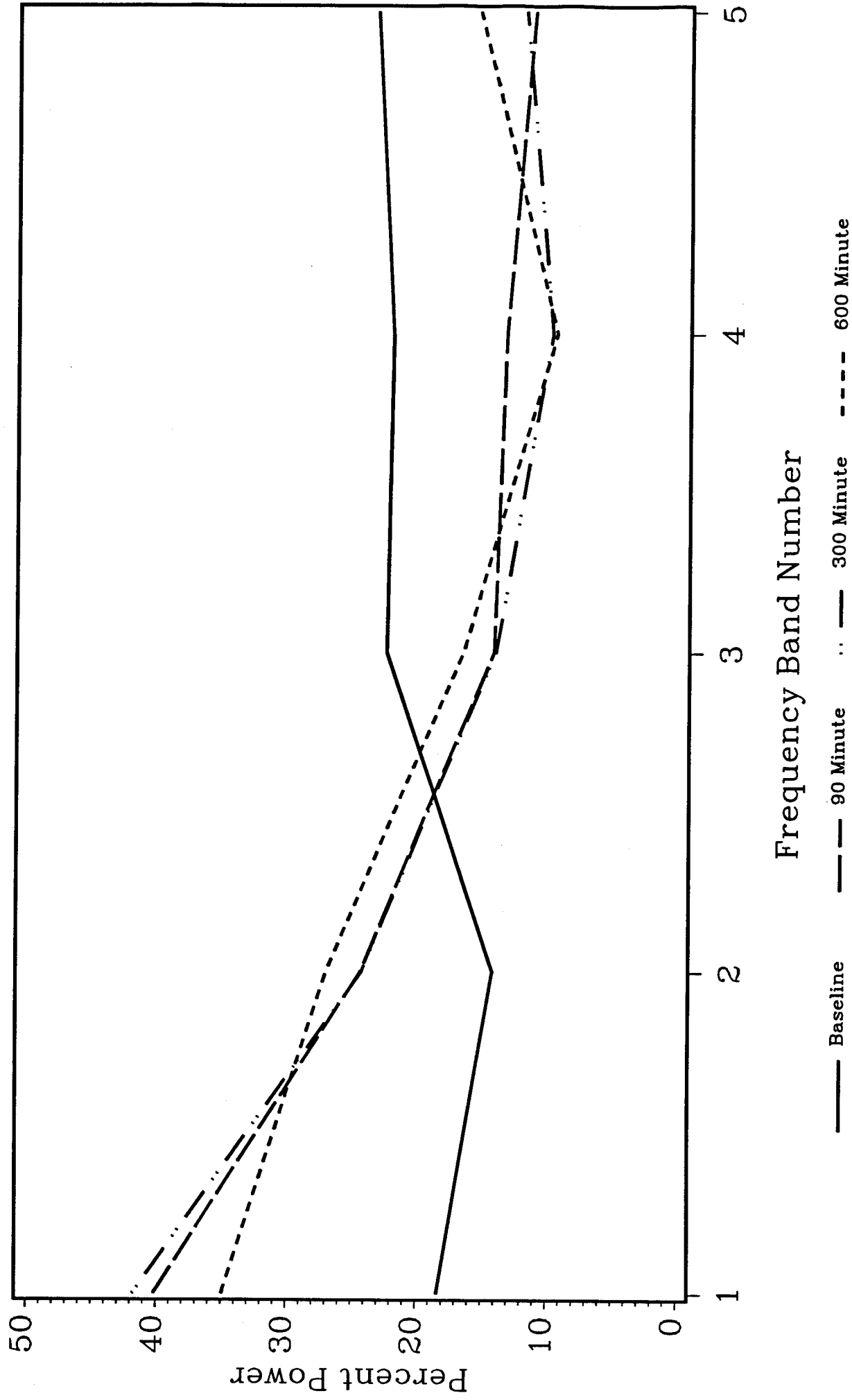


Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09
Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows
Animal ID=038D Atropine Dose (mg/kg)=0.4 Channel=3

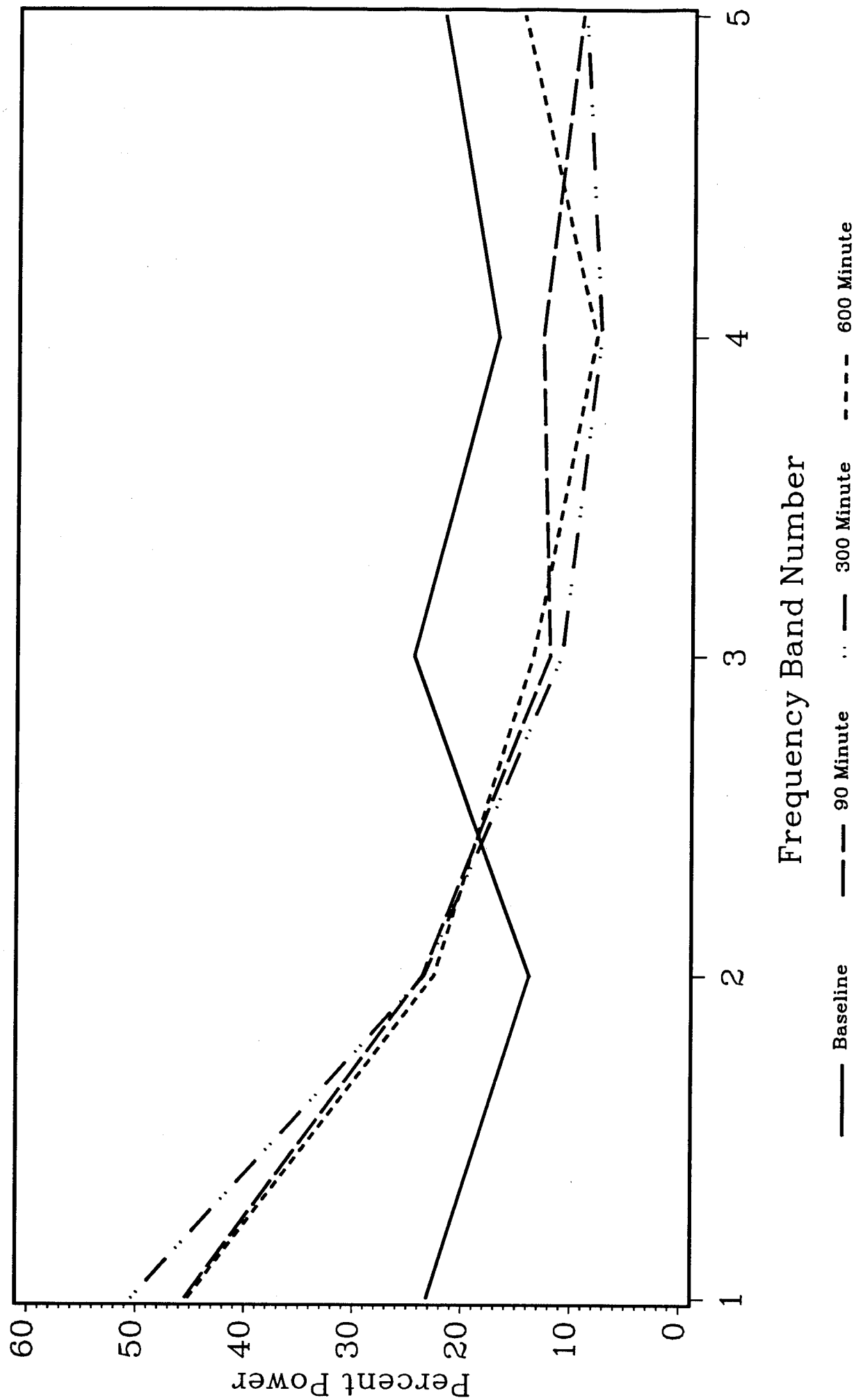


Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows
Animal ID=038D Atropine Dose (mg/kg)=0.4 Channel=2



Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09
Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows
Animal ID=038D Atropine Dose (mg/kg)=0.4 Channel=1

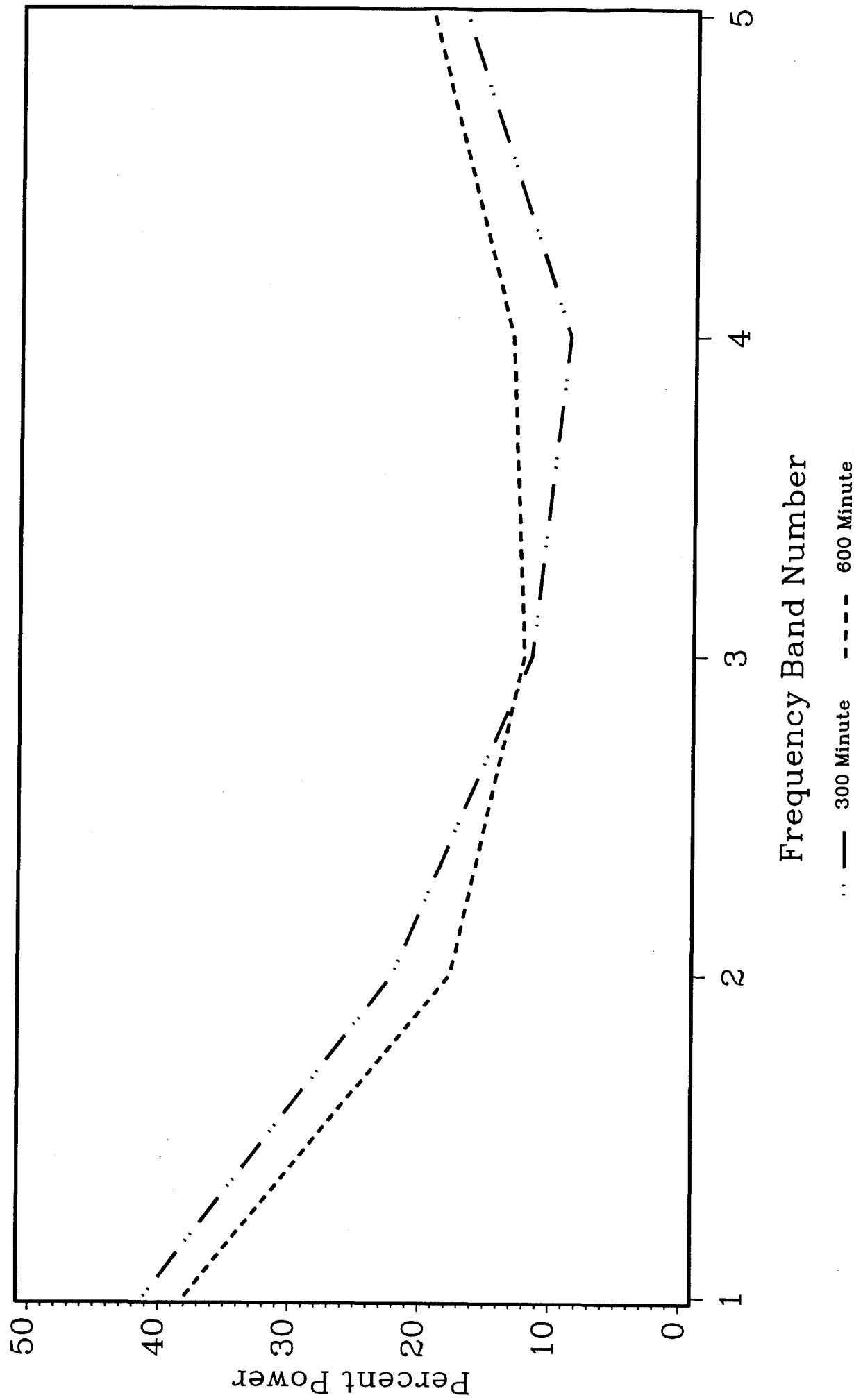


Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine

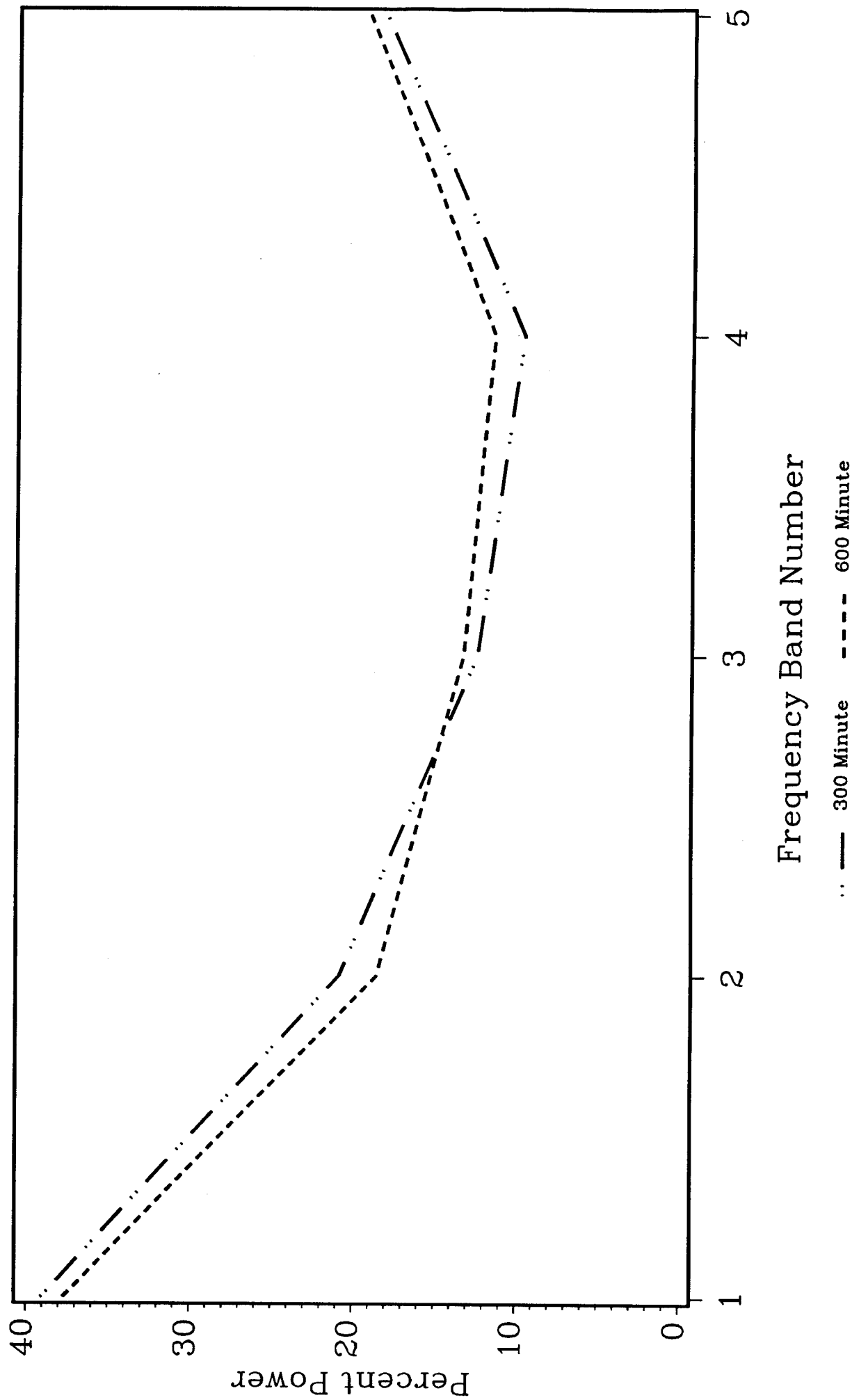
Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

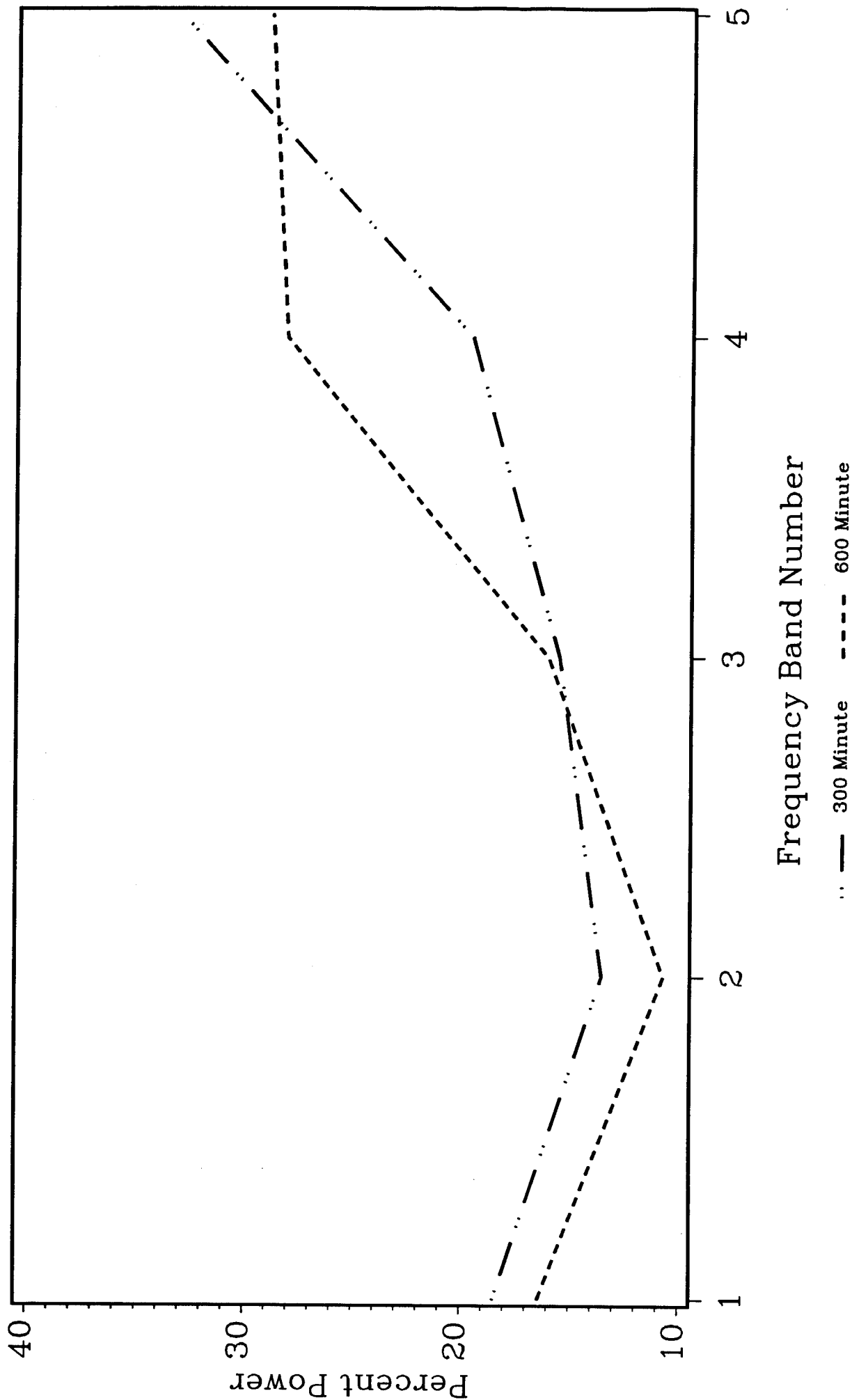
Animal ID=038D Atropine Dose (mg/kg)=0.2 Channel=4



Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09
Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows
Animal ID=038D Atropine Dose (mg/kg)=0.2 Channel=3

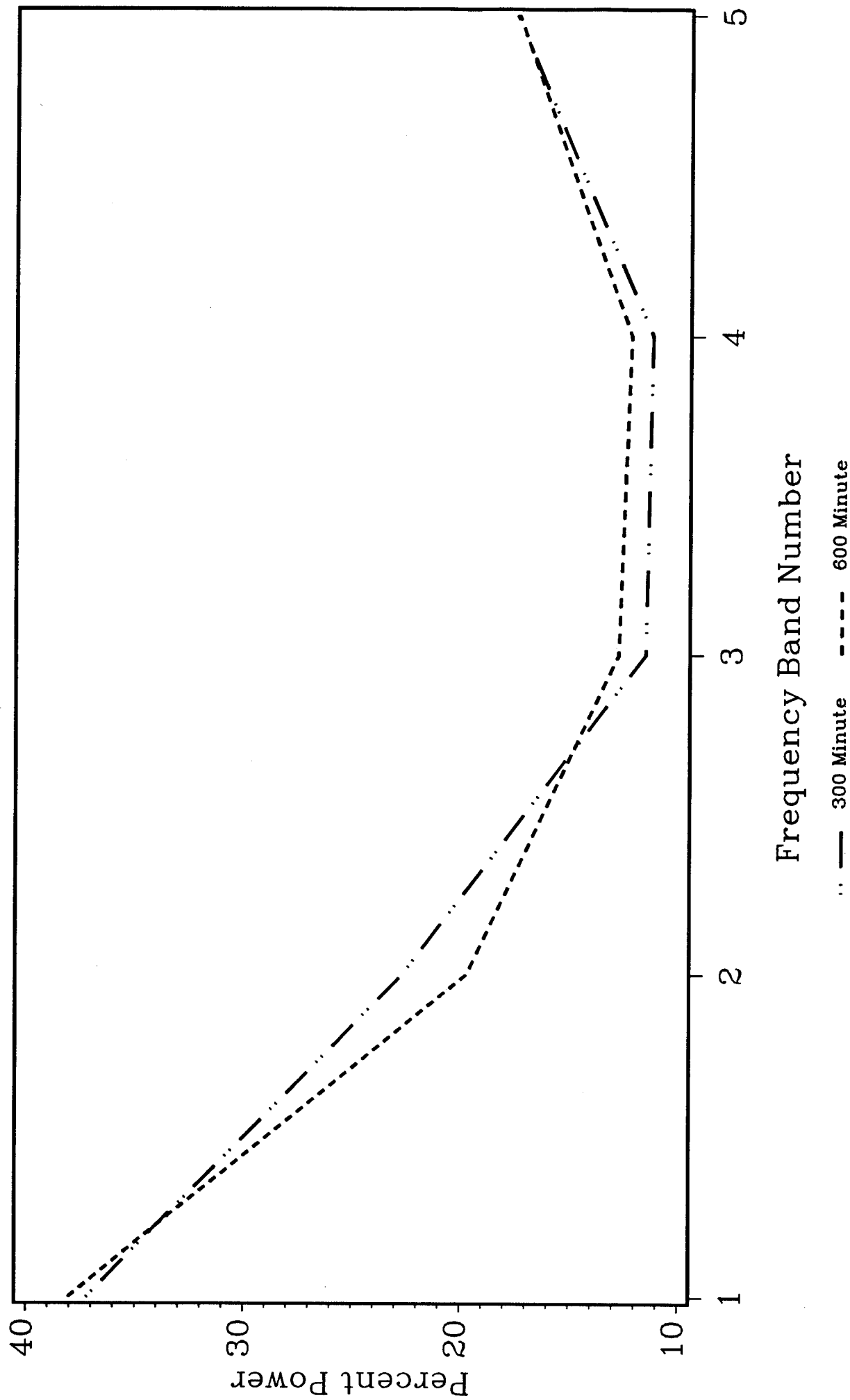


Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09
Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows
Animal ID=038D Atropine Dose (mg/kg)=0.2 Channel=2

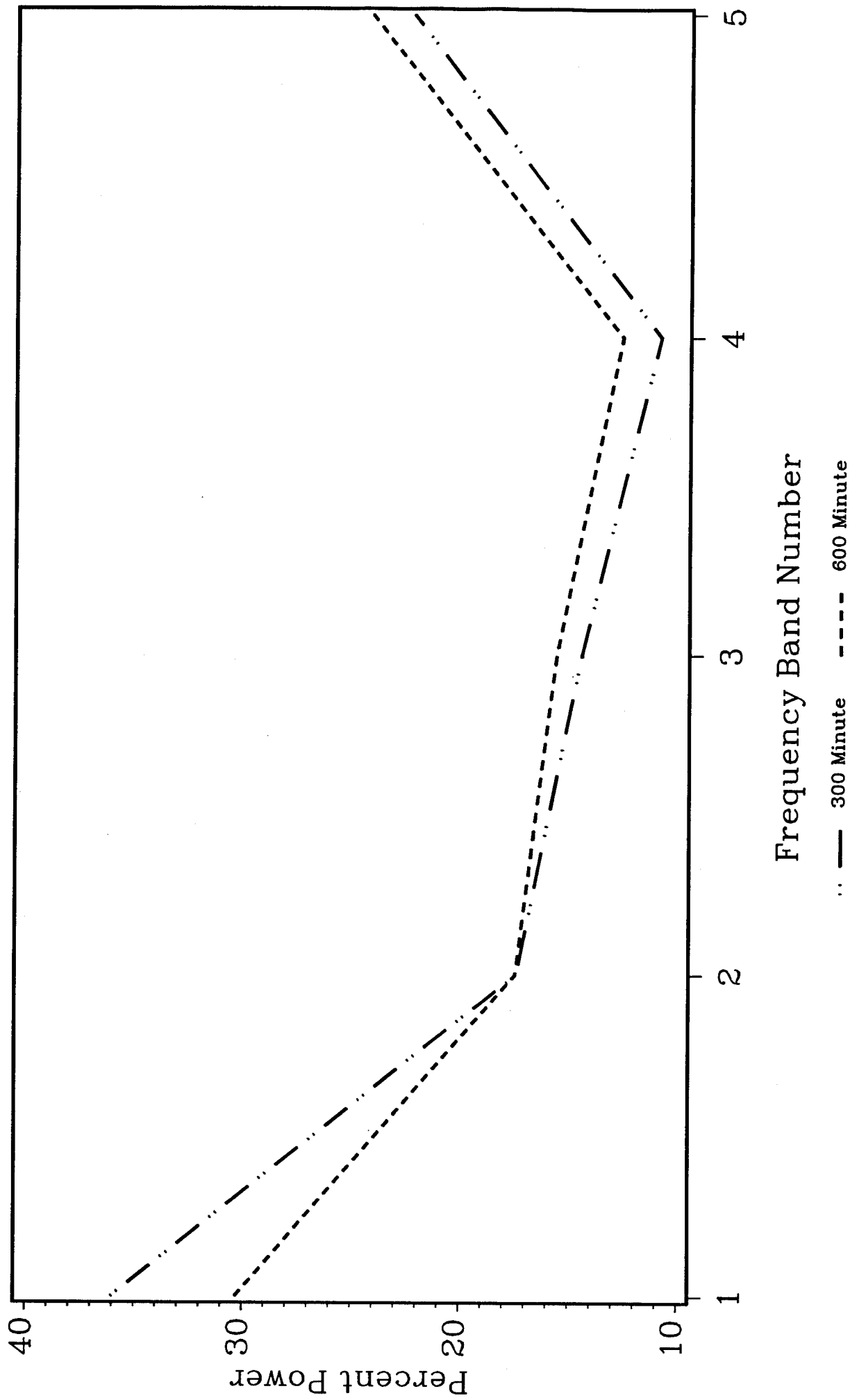


Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09

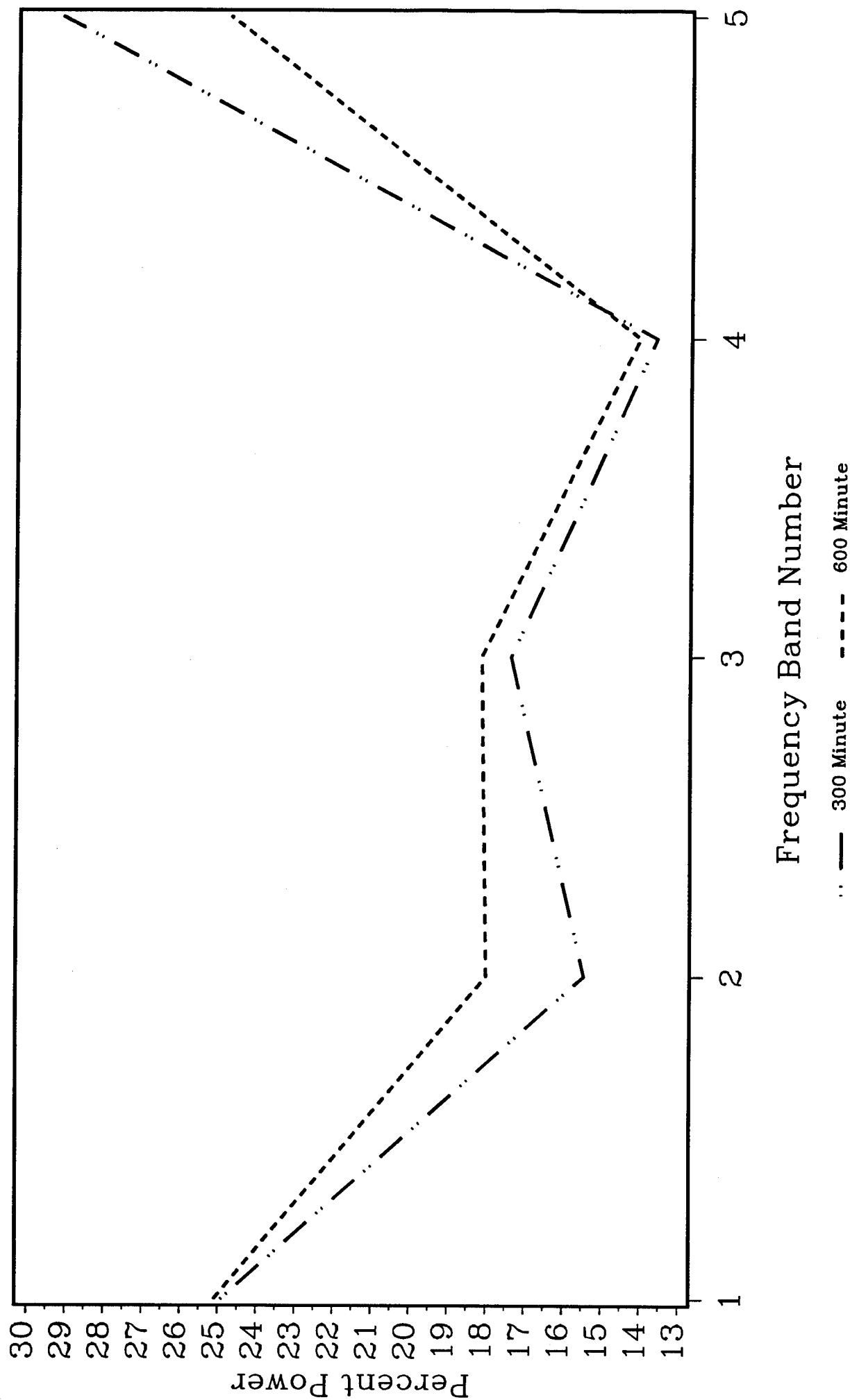
Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows
Animal ID=038D Atropine Dose (mg/kg)=0.2 Channel=1



Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09
Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows
Animal ID=038D Atropine Dose (mg/kg)=0.1 Channel=4



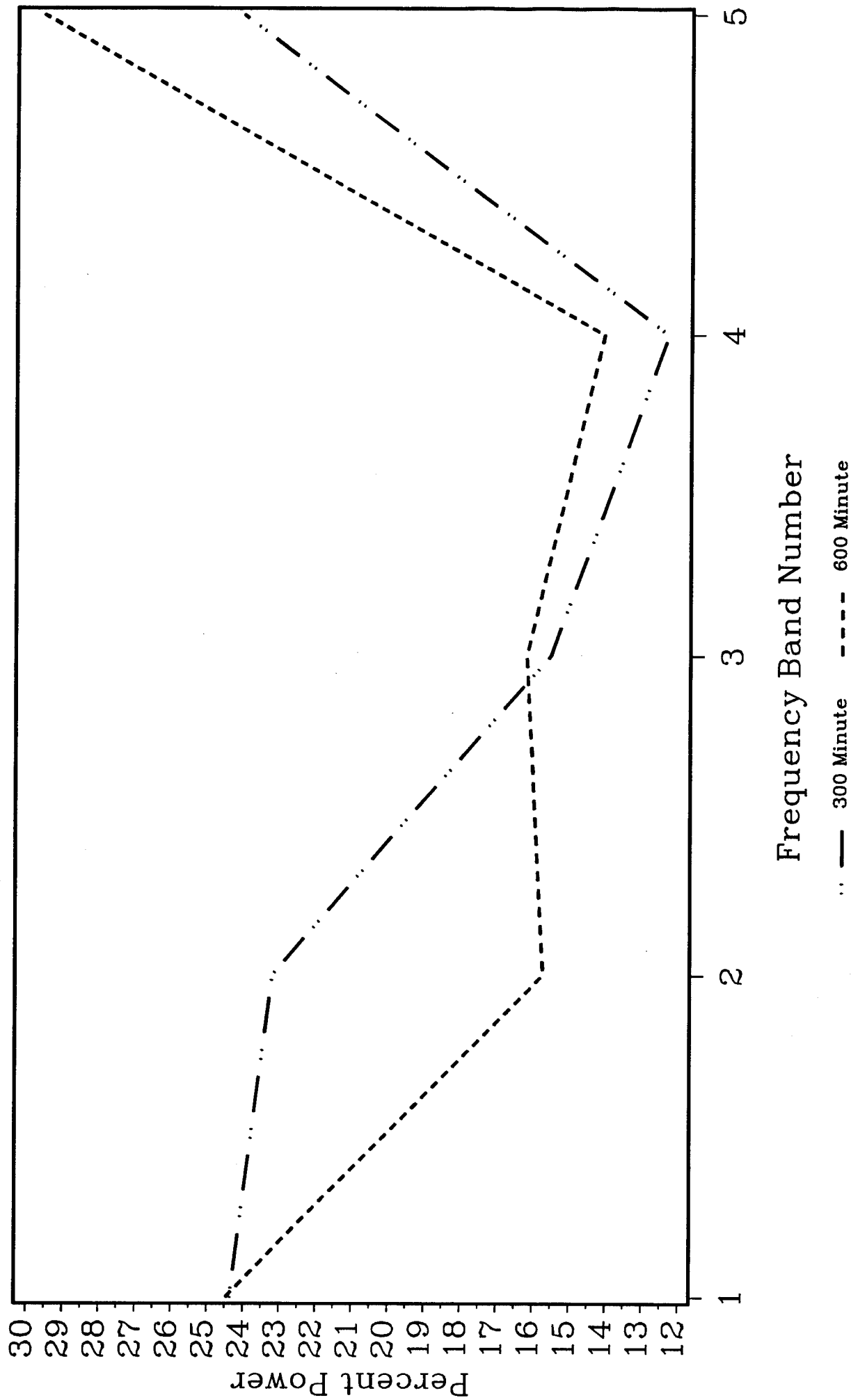
Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09
Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows
Animal ID=038D Atropine Dose (mg/kg)=0.1 Channel=3



Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09

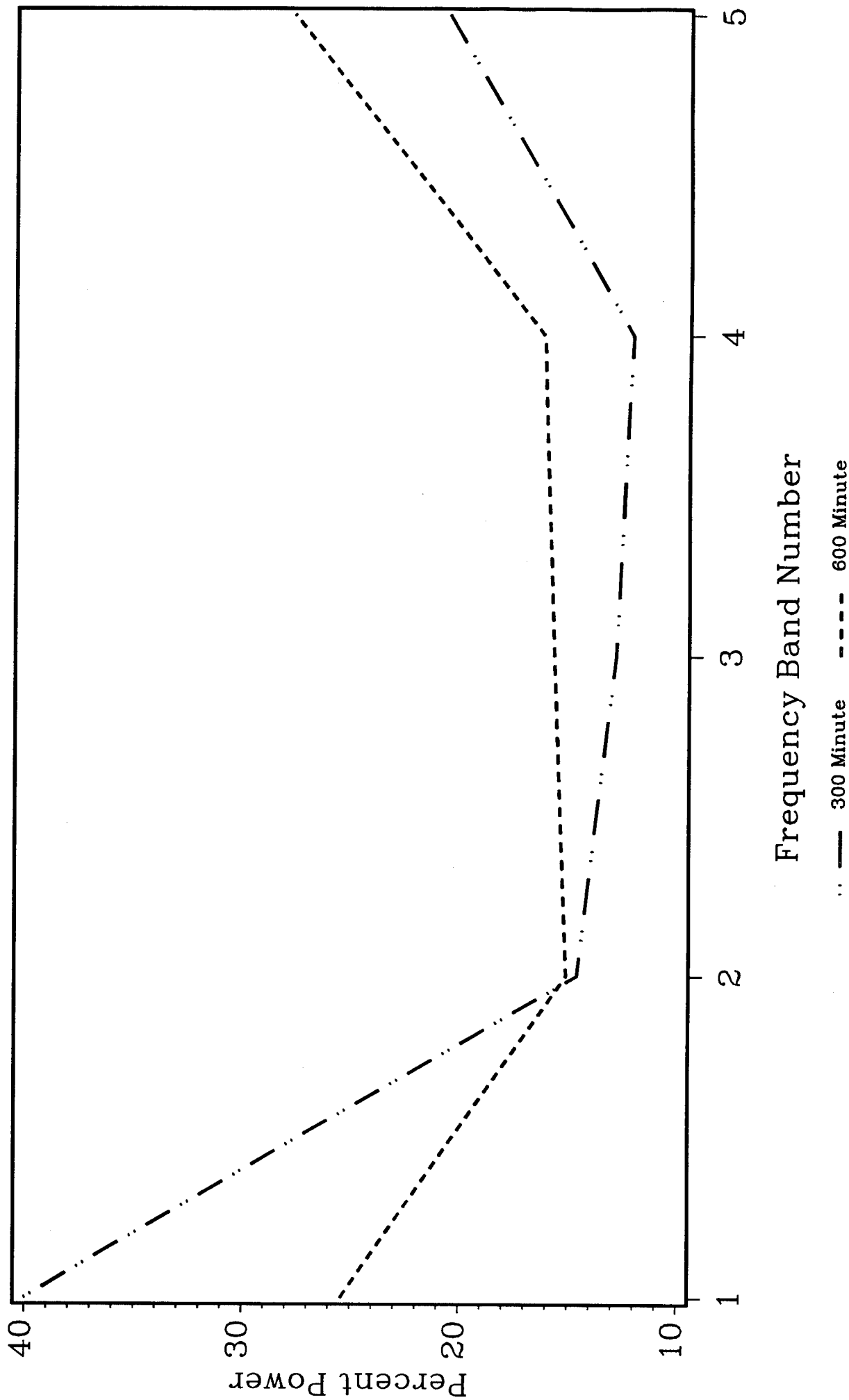
Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

Animal ID=038D Atropine Dose (mg/kg)=0.1 Channel=2



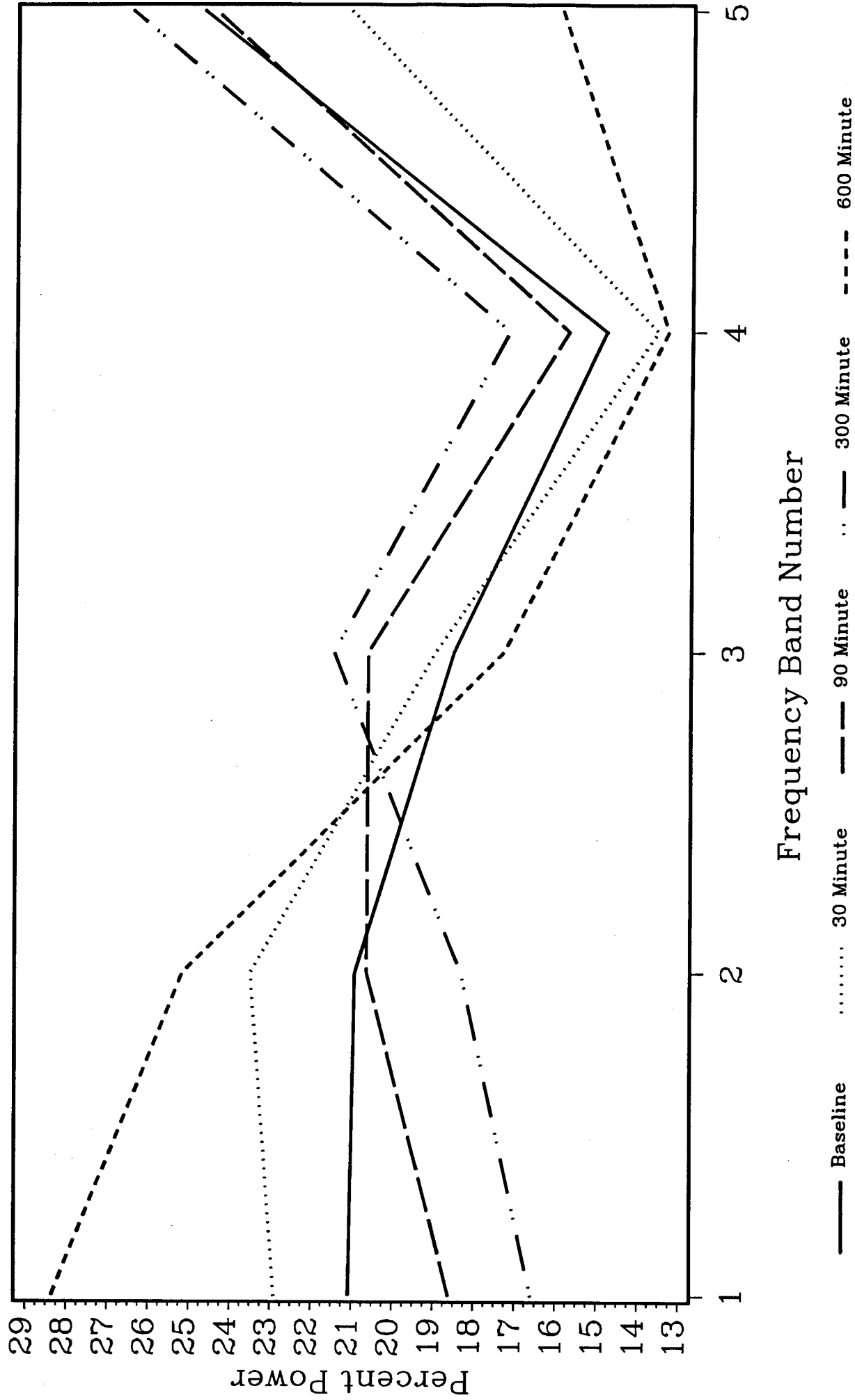
Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09
Animal ID=038D Atropine Dose (mg/kg)=0.1 Channel=1

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows



Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows
Animal ID=038D Atropine Dose (mg/kg)=0.0 Channel=4

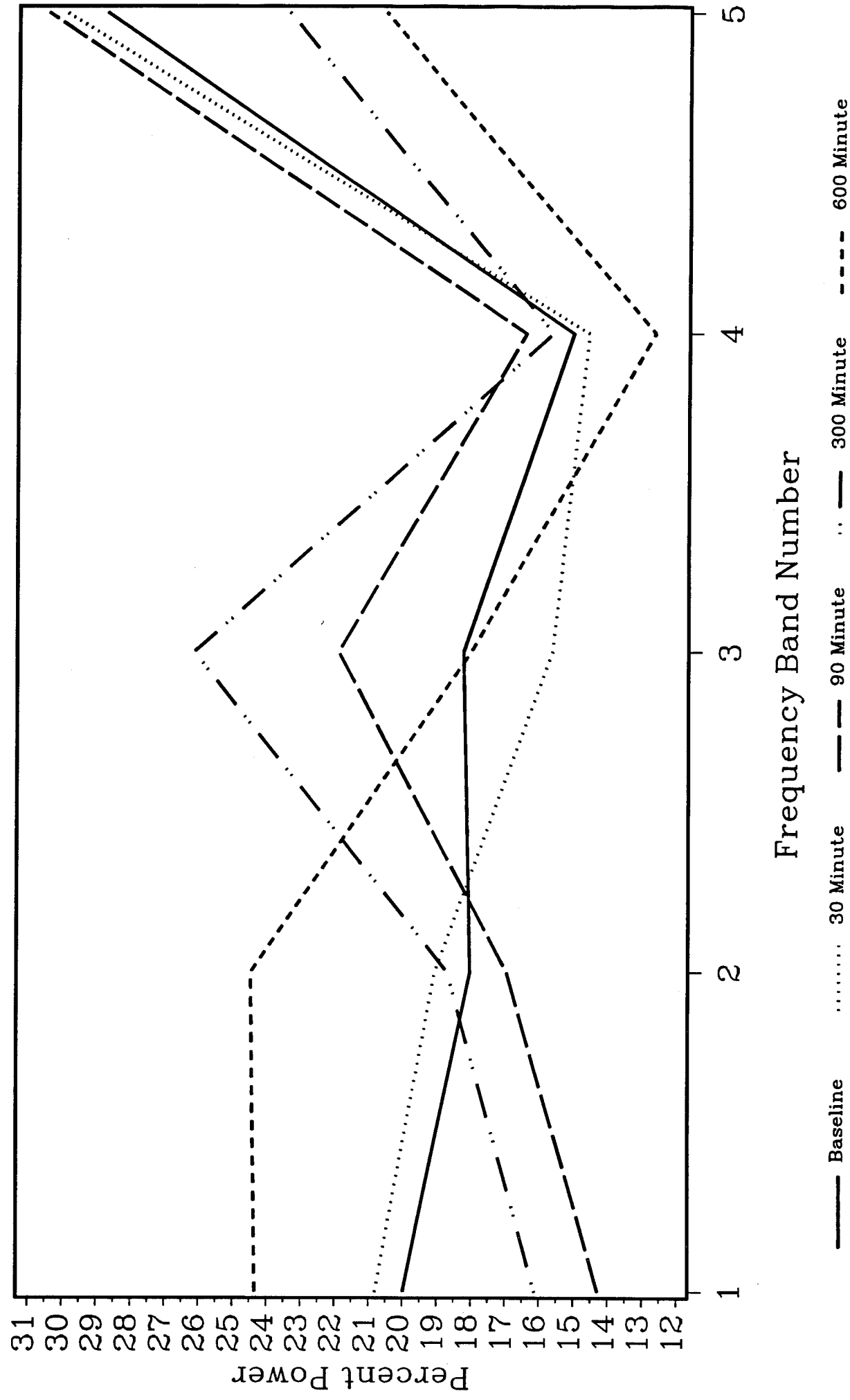


Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine

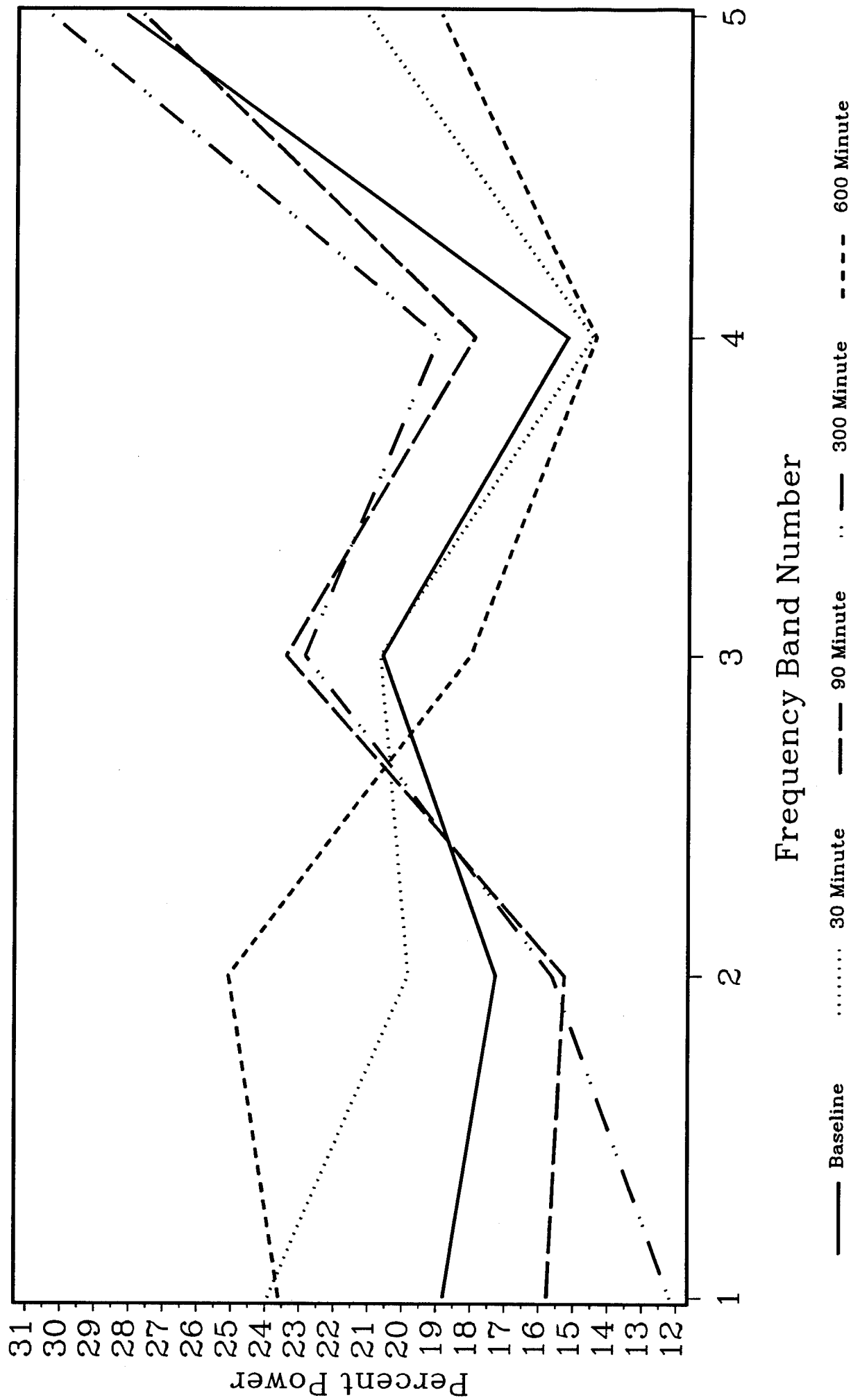
Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

Animal ID=038D Atropine Dose (mg/kg)=0.0 Channel=3

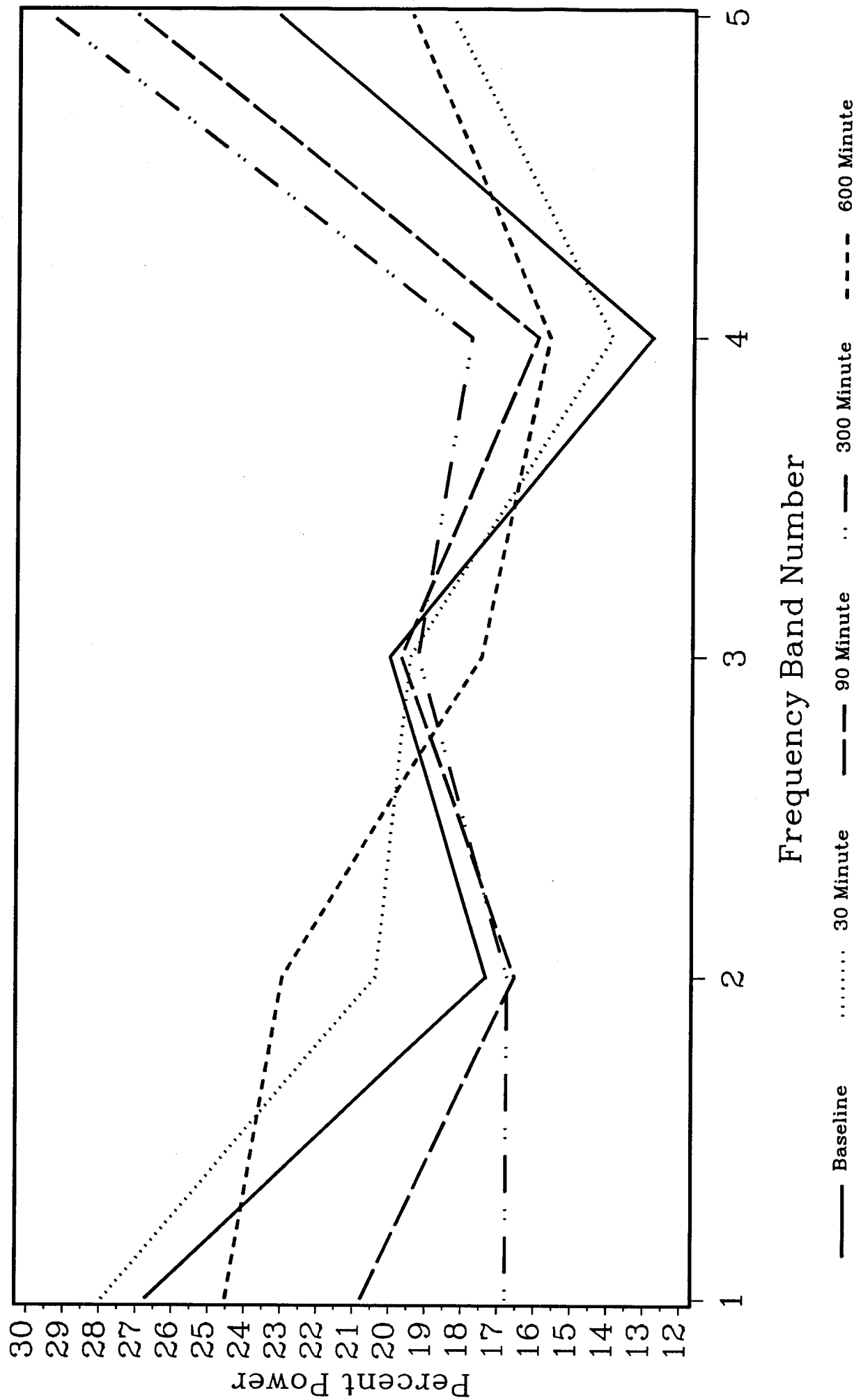


Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09
Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows
Animal ID=038D Atropine Dose (mg/kg)=0.0 Channel=2



Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows
Animal ID=038D Atropine Dose (mg/kg)=0.0 Channel=1



Animal 038D

APPENDIX B

**Plots of Percent Power versus Frequency Band for each Combination of
Channel and Atropine Dose Level for Animals**

038D, 122X, 4E5, D275, D345, and E109

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
 TASK: 89-09
 DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Total Power
 CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|--------|--------|---------------|----|--------|---------------|-------|----|------------|--------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 247.67 | 119.20 | 37.69 | 10 | 216.85 | 93.63 | 29.61 | 10 | 236.37 | 82.07 | 25.95 |
| | 2 | 10 | 106.05 | 46.57 | 14.73 | 10 | 140.08 | 50.40 | 15.94 | 10 | 116.86 | 30.40 | 9.61 |
| | 3 | 10 | 74.17 | 25.29 | 8.00 | 10 | 65.56 | 25.06 | 7.92 | 10 | 58.14 | 32.39 | 10.24 |
| | 4 | 10 | 41.62 | 11.33 | 3.58 | 10 | 38.46 | 11.03 | 3.49 | 10 | 47.76 | 13.70 | 4.33 |
| | 5 | 10 | 50.21 | 17.36 | 5.49 | 10 | 65.13 | 26.78 | 8.47 | 10 | 82.39 | 16.23 | 5.13 |
| | 6 | 10 | 21.30 | 6.57 | 2.08 | 10 | 39.91 | 17.47 | 5.53 | 10 | 66.73 | 22.50 | 7.11 |
| | 7 | 10 | 50.10 | 10.94 | 3.46 | 10 | 67.77 | 33.48 | 10.59 | 10 | 110.49 | 32.35 | 10.23 |
| | 8 | 10 | 0.31 | 0.65 | 0.21 | 10 | 0.71 | 0.85 | 0.27 | 10 | 1.19 | 0.54 | 0.17 |
| | 9 | 10 | 519.72 | 146.55 | 46.34 | 10 | 526.08 | 96.19 | 30.42 | 10 | 541.52 | 117.74 | 37.23 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|--------|--------|---------------|----|--------|---------------|-------|----|------------|--------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 284.44 | 158.34 | 50.07 | 10 | 244.64 | 138.27 | 43.72 | 10 | 245.45 | 83.29 | 26.34 |
| | 2 | 10 | 119.03 | 43.80 | 13.85 | 10 | 172.60 | 48.08 | 15.20 | 10 | 139.91 | 48.62 | 15.38 |
| | 3 | 10 | 93.97 | 30.00 | 9.49 | 10 | 83.02 | 39.89 | 12.61 | 10 | 77.54 | 38.16 | 12.07 |
| | 4 | 10 | 55.55 | 18.40 | 5.82 | 10 | 57.57 | 15.32 | 4.84 | 10 | 63.81 | 25.73 | 8.14 |
| | 5 | 10 | 81.18 | 34.36 | 10.87 | 10 | 86.26 | 36.92 | 11.68 | 10 | 106.28 | 35.95 | 11.37 |
| | 6 | 10 | 47.93 | 13.16 | 4.16 | 10 | 45.90 | 17.79 | 5.63 | 10 | 56.41 | 23.75 | 7.51 |
| | 7 | 10 | 88.05 | 19.00 | 6.01 | 10 | 98.07 | 22.03 | 6.97 | 10 | 122.44 | 45.78 | 14.48 |
| | 8 | 10 | 0.96 | 0.53 | 0.17 | 10 | 1.17 | 1.00 | 0.31 | 10 | 1.44 | 0.75 | 0.24 |
| | 9 | 10 | 634.19 | 182.73 | 57.79 | 10 | 644.08 | 198.26 | 62.69 | 10 | 632.98 | 107.81 | 34.09 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | | | | |
|------------|------------|--------------|--------|-------|---------------|----|--------|---------------|------|----|------------|-------|-------|---|--------|-------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | | | | |
| Baseline | 1 | 10 | 30.02 | 12.80 | 4.05 | 10 | 40.23 | 20.26 | 6.41 | 10 | 29.82 | 12.09 | 3.82 | 3 | 33.35 | 5.96 | 3.44 |
| | 2 | 10 | 26.21 | 10.05 | 3.18 | 10 | 21.62 | 10.29 | 3.25 | 10 | 21.25 | 7.13 | 2.25 | 3 | 23.03 | 2.76 | 1.59 |
| | 3 | 10 | 16.32 | 5.13 | 1.62 | 10 | 19.57 | 6.59 | 2.09 | 10 | 17.43 | 6.36 | 2.01 | 3 | 17.77 | 1.65 | 0.95 |
| | 4 | 10 | 20.66 | 8.69 | 2.75 | 10 | 23.42 | 8.48 | 2.68 | 10 | 25.86 | 12.51 | 3.96 | 3 | 23.31 | 2.60 | 1.50 |
| | 5 | 10 | 29.96 | 14.08 | 4.45 | 10 | 30.96 | 11.07 | 3.50 | 10 | 39.74 | 20.85 | 6.59 | 3 | 33.55 | 5.38 | 3.11 |
| | 6 | 10 | 14.71 | 6.66 | 2.11 | 10 | 14.40 | 4.48 | 1.42 | 10 | 18.73 | 7.70 | 2.44 | 3 | 15.95 | 2.41 | 1.39 |
| | 7 | 10 | 45.65 | 17.71 | 5.60 | 10 | 57.61 | 13.54 | 4.28 | 10 | 73.50 | 17.18 | 5.43 | 3 | 58.92 | 13.97 | 8.07 |
| | 8 | 10 | 0.77 | 0.90 | 0.28 | 10 | 0.83 | 0.42 | 0.13 | 10 | 0.98 | 0.53 | 0.17 | 3 | 0.86 | 0.11 | 0.06 |
| | 9 | 10 | 123.17 | 23.69 | 7.49 | 10 | 135.80 | 27.97 | 8.84 | 10 | 134.10 | 35.68 | 11.28 | 3 | 131.02 | 6.85 | 3.96 |

PARAMETER = Total Power
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|--------|-------|---------------|----|--------|---------------|------|----|------------|-------|-------|---|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 52.38 | 49.37 | 15.61 | 10 | 30.46 | 12.38 | 3.91 | 10 | 38.30 | 20.86 | 6.60 | 3 | 40.38 | 11.11 | 6.41 |
| | 2 | 10 | 27.91 | 17.16 | 5.43 | 10 | 27.70 | 11.07 | 3.50 | 10 | 22.98 | 8.35 | 2.64 | 3 | 26.20 | 2.79 | 1.61 |
| | 3 | 10 | 23.61 | 7.07 | 2.24 | 10 | 26.88 | 9.60 | 3.04 | 10 | 26.38 | 11.41 | 3.61 | 3 | 25.62 | 1.76 | 1.02 |
| | 4 | 10 | 17.66 | 10.74 | 3.40 | 10 | 25.63 | 6.62 | 2.09 | 10 | 29.80 | 13.46 | 4.26 | 3 | 24.36 | 6.17 | 3.56 |
| | 5 | 10 | 14.11 | 9.26 | 2.93 | 10 | 26.72 | 7.82 | 2.47 | 10 | 21.17 | 10.63 | 3.36 | 3 | 20.67 | 6.32 | 3.65 |
| | 6 | 10 | 6.93 | 1.84 | 0.58 | 10 | 11.96 | 5.92 | 1.87 | 10 | 13.26 | 4.66 | 1.47 | 3 | 10.72 | 3.34 | 1.93 |
| | 7 | 10 | 10.13 | 8.36 | 2.64 | 10 | 42.57 | 14.38 | 4.55 | 10 | 44.34 | 21.68 | 6.85 | 3 | 32.35 | 19.26 | 11.12 |
| | 8 | 10 | 0.13 | 0.20 | 0.06 | 10 | 0.44 | 0.24 | 0.08 | 10 | 0.83 | 0.76 | 0.24 | 3 | 0.47 | 0.35 | 0.20 |
| | 9 | 10 | 135.67 | 60.38 | 19.09 | 10 | 137.39 | 13.23 | 4.18 | 10 | 138.63 | 35.20 | 11.13 | 3 | 137.23 | 1.48 | 0.86 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
 TASK: 89-09
 DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
 CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|---------------|---------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 2.35 | 0.78 | 0.25 | 8 | 2.19 | 0.75 | 0.27 | 10 | 2.45 | 0.69 | 0.22 |
| | 2 | 8 | 5.50 | 0.71 | 0.25 | 10 | 6.05 | 0.96 | 0.30 | 10 | 6.20 | 0.82 | 0.26 |
| | 3 | 10 | 11.05 | 0.90 | 0.28 | 10 | 10.05 | 0.60 | 0.19 | 9 | 10.17 | 1.58 | 0.53 |
| | 4 | 10 | 15.70 | 0.92 | 0.29 | 10 | 15.75 | 1.14 | 0.36 | 9 | 16.11 | 1.34 | 0.45 |
| | 5 | 10 | 20.65 | 1.06 | 0.33 | 10 | 21.65 | 1.83 | 0.58 | 10 | 23.00 | 1.35 | 0.43 |
| | 9 | 10 | 2.35 | 0.78 | 0.25 | 10 | 3.05 | 1.46 | 0.46 | 10 | 2.45 | 0.69 | 0.22 |
| | | | | | | | | | | 3 | 21.77 | 1.18 | 0.68 |
| | | | | | | | | | | 3 | 2.62 | 0.38 | 0.22 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
 TASK: 89-09
 DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
 CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. |
|---------------|---------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | |
| Baseline | 1 | 10 | 2.25 | 0.82 | 0.26 | 9 | 2.28 | 0.79 | 0.26 | 10 | 2.60 | 0.66 | 0.21 |
| | 2 | 8 | 6.06 | 0.98 | 0.35 | 10 | 5.60 | 1.02 | 0.32 | 10 | 6.65 | 0.85 | 0.27 |
| | 3 | 10 | 10.15 | 1.18 | 0.37 | 10 | 11.00 | 0.78 | 0.25 | 10 | 10.20 | 1.46 | 0.46 |
| | 4 | 10 | 15.25 | 1.01 | 0.32 | 10 | 16.15 | 0.78 | 0.25 | 10 | 15.75 | 1.44 | 0.45 |
| | 5 | 10 | 21.20 | 1.30 | 0.41 | 10 | 21.50 | 1.87 | 0.59 | 10 | 22.50 | 1.49 | 0.47 |
| | 9 | 10 | 2.55 | 1.19 | 0.38 | 10 | 3.20 | 1.69 | 0.53 | 10 | 3.05 | 1.54 | 0.49 |
| | | | | | | | | | | 3 | 2.38 | 0.19 | 0.11 |
| | | | | | | | | | | 3 | 6.10 | 0.53 | 0.30 |
| | | | | | | | | | | 3 | 10.45 | 0.48 | 0.28 |
| | | | | | | | | | | 3 | 15.72 | 0.45 | 0.26 |
| | | | | | | | | | | 3 | 21.73 | 0.68 | 0.39 |
| | | | | | | | | | | 3 | 2.93 | 0.34 | 0.20 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
 TASK: 89-09
 DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
 CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. |
|---------------|---------------|--------------|-------|------|---------------|-------|------|---------------|-------|------|------------|------|------|
| | | N | Mean | Std. | N | Mean | Std. | N | Mean | Std. | Mean | Std. | |
| Baseline | 1 | 9 | 2.56 | 0.81 | 9 | 2.50 | 0.75 | 9 | 1.94 | 0.63 | 2.33 | 0.34 | 0.20 |
| | 2 | 10 | 6.15 | 0.58 | 10 | 5.75 | 0.79 | 10 | 6.20 | 1.25 | 6.03 | 0.25 | 0.14 |
| | 3 | 9 | 9.67 | 1.20 | 10 | 10.65 | 1.42 | 10 | 11.25 | 1.38 | 10.52 | 0.80 | 0.46 |
| | 4 | 10 | 16.20 | 1.32 | 10 | 16.10 | 1.35 | 10 | 16.30 | 1.06 | 16.20 | 0.10 | 0.06 |
| | 5 | 10 | 20.75 | 1.55 | 10 | 21.75 | 1.34 | 10 | 21.15 | 1.68 | 21.22 | 0.50 | 0.29 |
| | 9 | 10 | 6.40 | 6.17 | 10 | 7.65 | 6.51 | 10 | 10.55 | 9.45 | 8.20 | 2.13 | 1.23 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
 TASK: 89-09
 DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
 CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|---------------|---------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 2.35 | 0.67 | 0.21 | 9 | 2.33 | 0.66 | 0.22 | 7 | 2.21 | 0.76 | 0.29 |
| | 2 | 9 | 6.06 | 0.77 | 0.26 | 10 | 5.85 | 0.78 | 0.25 | 10 | 6.30 | 0.89 | 0.28 |
| | 3 | 10 | 10.55 | 1.21 | 0.38 | 10 | 10.30 | 1.18 | 0.37 | 10 | 10.85 | 1.13 | 0.36 |
| | 4 | 10 | 15.40 | 1.43 | 0.45 | 10 | 16.00 | 1.13 | 0.36 | 10 | 14.85 | 1.38 | 0.43 |
| | 5 | 10 | 20.85 | 1.58 | 0.50 | 10 | 20.80 | 1.11 | 0.35 | 10 | 22.00 | 2.39 | 0.76 |
| | 9 | 10 | 3.35 | 1.73 | 0.55 | 10 | 5.50 | 4.94 | 1.56 | 10 | 6.25 | 6.20 | 1.96 |
| | | | | | | | | | | | 2.30 | 0.07 | 0.04 |
| | | | | | | | | | | | 6.07 | 0.23 | 0.13 |
| | | | | | | | | | | | 10.57 | 0.28 | 0.16 |
| | | | | | | | | | | | 15.42 | 0.58 | 0.33 |
| | | | | | | | | | | | 21.22 | 0.68 | 0.39 |
| | | | | | | | | | | | 5.03 | 1.51 | 0.87 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
 TASK: 89-09
 DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
 CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|---------------|---------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 2.31 | 0.28 | 0.09 | 10 | 2.19 | 0.32 | 0.10 | 10 | 2.31 | 0.20 | 0.06 |
| | 2 | 10 | 5.53 | 0.45 | 0.14 | 10 | 5.60 | 0.47 | 0.15 | 10 | 5.47 | 0.29 | 0.09 |
| | 3 | 10 | 10.09 | 0.44 | 0.14 | 10 | 9.90 | 0.36 | 0.11 | 10 | 10.14 | 0.47 | 0.15 |
| | 4 | 10 | 15.03 | 0.28 | 0.09 | 10 | 15.31 | 0.37 | 0.12 | 10 | 15.23 | 0.57 | 0.18 |
| | 5 | 10 | 21.23 | 0.44 | 0.14 | 10 | 21.40 | 0.46 | 0.15 | 10 | 21.75 | 0.37 | 0.12 |
| | 9 | 10 | 7.13 | 1.33 | 0.42 | 10 | 7.56 | 1.70 | 0.54 | 10 | 8.08 | 1.02 | 0.32 |
| | | | | | | | | | | 3 | 2.27 | 0.07 | 0.04 |
| | | | | | | | | | | 3 | 5.53 | 0.06 | 0.04 |
| | | | | | | | | | | 3 | 10.04 | 0.13 | 0.07 |
| | | | | | | | | | | 3 | 15.19 | 0.14 | 0.08 |
| | | | | | | | | | | 3 | 21.46 | 0.27 | 0.15 |
| | | | | | | | | | | 3 | 7.59 | 0.48 | 0.28 |

PARAMETER = Mean Frequency
CHANNEL = 4

[illegible]

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 2.18 | 0.23 | 0.07 | 10 | 2.22 | 0.31 | 0.10 | 10 | 2.03 | 0.27 | 0.09 | 3 | 2.14 | 0.10 | 0.06 |
| | 2 | 10 | 5.80 | 0.44 | 0.14 | 10 | 5.63 | 0.41 | 0.13 | 10 | 5.60 | 0.30 | 0.09 | 3 | 5.68 | 0.11 | 0.06 |
| | 3 | 10 | 10.29 | 0.24 | 0.08 | 10 | 10.28 | 0.47 | 0.15 | 10 | 10.45 | 0.44 | 0.14 | 3 | 10.34 | 0.10 | 0.06 |
| | 4 | 10 | 15.20 | 0.50 | 0.16 | 10 | 15.31 | 0.41 | 0.13 | 10 | 15.02 | 0.38 | 0.12 | 3 | 15.18 | 0.15 | 0.08 |
| | 5 | 10 | 20.81 | 0.51 | 0.16 | 10 | 20.96 | 0.45 | 0.14 | 10 | 21.05 | 0.66 | 0.21 | 3 | 20.94 | 0.12 | 0.07 |
| | 9 | 10 | 8.12 | 1.54 | 0.49 | 10 | 10.56 | 1.13 | 0.36 | 10 | 9.95 | 1.80 | 0.57 | 3 | 9.54 | 1.27 | 0.73 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
 TASK: 89-09
 DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
 CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|---------------|---------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 42.48 | 12.88 | 4.07 | 10 | 35.65 | 11.12 | 3.52 | 10 | 38.11 | 8.52 | 2.70 |
| | 2 | 10 | 19.49 | 7.28 | 2.30 | 10 | 28.58 | 10.05 | 3.18 | 10 | 21.77 | 5.53 | 1.75 |
| | 3 | 10 | 15.79 | 6.31 | 2.00 | 10 | 12.62 | 2.94 | 0.93 | 10 | 12.03 | 4.14 | 1.31 |
| | 4 | 10 | 9.18 | 3.49 | 1.10 | 10 | 9.43 | 3.17 | 1.00 | 10 | 10.54 | 5.47 | 1.73 |
| | 5 | 10 | 13.05 | 5.04 | 1.59 | 10 | 13.72 | 5.31 | 1.68 | 10 | 17.56 | 7.73 | 2.44 |
| | | | | | | | | | | 3 | 9.72 | 0.72 | 0.42 |
| | | | | | | | | | | 3 | 14.78 | 2.43 | 1.40 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|-------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | |
| Baseline | 1 | 10 | 24.95 | 11.74 | 3.71 | 10 | 28.65 | 11.66 | 3.69 | 10 | 22.12 | 7.09 | 2.24 | 3.27 | 1.89 |
| | 2 | 10 | 21.04 | 5.75 | 1.82 | 10 | 16.02 | 6.31 | 2.00 | 10 | 16.02 | 3.18 | 1.01 | 3.17 | 1.67 |
| | 3 | 10 | 13.27 | 3.44 | 1.09 | 10 | 14.64 | 4.53 | 1.43 | 10 | 13.29 | 4.49 | 1.42 | 3.13 | 0.45 |
| | 4 | 10 | 16.73 | 6.63 | 2.10 | 10 | 17.54 | 6.17 | 1.95 | 10 | 19.57 | 7.86 | 2.49 | 3.17 | 0.85 |
| | 5 | 10 | 24.01 | 10.02 | 3.17 | 10 | 23.15 | 7.44 | 2.35 | 10 | 29.01 | 12.04 | 3.81 | 25.39 | 1.83 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
 TASK: 89-09
 DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
 CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|---------------|---------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 35.82 | 16.36 | 5.17 | 10 | 22.10 | 8.83 | 2.79 | 10 | 27.19 | 11.65 | 3.69 |
| | 2 | 10 | 21.63 | 10.01 | 3.16 | 10 | 20.17 | 7.94 | 2.51 | 10 | 17.16 | 5.60 | 1.77 |
| | 3 | 10 | 19.55 | 6.38 | 2.02 | 10 | 19.49 | 6.37 | 2.02 | 10 | 18.92 | 7.19 | 2.27 |
| | 4 | 10 | 12.97 | 6.64 | 2.10 | 10 | 18.75 | 4.99 | 1.58 | 10 | 20.91 | 5.20 | 1.64 |
| | 5 | 10 | 10.03 | 4.08 | 1.29 | 10 | 19.49 | 5.60 | 1.77 | 10 | 15.83 | 8.68 | 2.74 |
| | | | | | | | | | | | 28.37 | 6.94 | 4.00 |
| | | | | | | | | | | | 19.65 | 2.28 | 1.32 |
| | | | | | | | | | | | 19.32 | 0.35 | 0.20 |
| | | | | | | | | | | | 17.54 | 4.10 | 2.37 |
| | | | | | | | | | | | 15.12 | 4.77 | 2.76 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|--------|--------|---------------|----|--------|---------------|-------|----|------------|--------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 147.24 | 58.24 | 18.42 | 10 | 129.72 | 68.24 | 21.58 | 10 | 132.10 | 112.32 | 35.52 |
| | 2 | 10 | 82.52 | 55.37 | 17.51 | 10 | 64.59 | 30.95 | 9.79 | 10 | 74.67 | 20.99 | 6.64 |
| | 3 | 10 | 74.61 | 33.63 | 10.64 | 10 | 84.42 | 30.79 | 9.74 | 10 | 58.04 | 22.18 | 7.01 |
| | 4 | 10 | 42.06 | 14.53 | 4.60 | 10 | 57.47 | 20.77 | 6.57 | 10 | 46.01 | 19.16 | 6.06 |
| | 5 | 10 | 46.31 | 18.60 | 5.88 | 10 | 66.63 | 29.43 | 9.31 | 10 | 59.79 | 30.28 | 9.58 |
| | 6 | 10 | 25.18 | 14.10 | 4.46 | 10 | 47.82 | 21.93 | 6.93 | 10 | 39.15 | 13.17 | 4.17 |
| | 7 | 10 | 56.70 | 12.09 | 3.82 | 10 | 101.03 | 44.96 | 14.22 | 10 | 94.45 | 21.21 | 6.71 |
| | 8 | 10 | 0.52 | 0.44 | 0.14 | 10 | 1.21 | 1.01 | 0.32 | 10 | 0.86 | 0.41 | 0.13 |
| | 9 | 10 | 394.97 | 107.99 | 34.15 | 10 | 402.82 | 129.84 | 41.06 | 10 | 370.62 | 101.31 | 32.04 |
| 30-Minute | 1 | 10 | 310.77 | 127.02 | 40.17 | 10 | 363.68 | 113.52 | 35.90 | 10 | 311.72 | 116.05 | 36.70 |
| | 2 | 10 | 127.22 | 51.35 | 16.24 | 10 | 190.93 | 135.34 | 42.80 | 10 | 142.81 | 56.97 | 18.01 |
| | 3 | 10 | 59.46 | 34.52 | 10.92 | 10 | 78.20 | 26.61 | 8.41 | 10 | 186.39 | 186.07 | 58.84 |
| | 4 | 10 | 54.46 | 23.99 | 7.59 | 10 | 61.81 | 18.50 | 5.85 | 10 | 76.51 | 32.32 | 10.22 |
| | 5 | 10 | 75.79 | 15.89 | 5.02 | 10 | 81.46 | 32.45 | 10.26 | 10 | 87.38 | 41.54 | 13.14 |
| | 6 | 10 | 26.36 | 10.67 | 3.37 | 10 | 52.29 | 33.34 | 10.54 | 10 | 36.11 | 19.32 | 6.11 |
| | 7 | 10 | 75.43 | 23.55 | 7.45 | 10 | 110.68 | 31.51 | 9.96 | 10 | 96.65 | 34.39 | 10.88 |
| | 8 | 10 | 0.22 | 0.55 | 0.17 | 10 | 0.87 | 0.94 | 0.30 | 10 | 0.79 | 0.82 | 0.26 |
| | 9 | 10 | 627.69 | 118.88 | 37.59 | 10 | 748.85 | 161.56 | 51.09 | 10 | 804.81 | 303.13 | 95.86 |
| 90-Minute | 1 | 10 | 332.20 | 109.65 | 34.67 | 10 | 319.75 | 120.95 | 38.25 | 10 | 388.72 | 193.22 | 61.10 |
| | 2 | 10 | 165.91 | 64.93 | 20.53 | 10 | 118.92 | 54.35 | 17.19 | 10 | 126.32 | 71.75 | 22.69 |
| | 3 | 10 | 68.63 | 23.73 | 7.51 | 10 | 76.81 | 32.05 | 10.13 | 10 | 63.37 | 18.99 | 6.01 |
| | 4 | 10 | 40.35 | 16.70 | 5.28 | 10 | 33.16 | 18.72 | 5.92 | 10 | 43.06 | 18.13 | 5.73 |
| | 5 | 10 | 36.00 | 16.31 | 5.16 | 10 | 36.47 | 21.01 | 6.65 | 10 | 45.59 | 18.53 | 5.86 |
| | 6 | 10 | 32.56 | 19.56 | 6.19 | 10 | 21.36 | 24.22 | 7.66 | 10 | 26.83 | 12.31 | 3.89 |
| | 7 | 10 | 69.10 | 29.23 | 9.24 | 10 | 32.27 | 24.19 | 7.65 | 10 | 56.14 | 26.18 | 8.28 |
| | 8 | 10 | 3.13 | 2.63 | 0.83 | 10 | 0.10 | 0.21 | 0.07 | 10 | 0.55 | 1.17 | 0.37 |
| | 9 | 10 | 643.09 | 130.11 | 41.14 | 10 | 585.11 | 152.58 | 48.25 | 10 | 667.05 | 211.49 | 66.88 |
| 300-Minute | 1 | 10 | 381.65 | 149.66 | 47.33 | 10 | 379.73 | 138.43 | 43.78 | 10 | 390.14 | 140.47 | 44.42 |
| | 2 | 10 | 126.52 | 30.86 | 9.76 | 10 | 187.99 | 75.33 | 23.82 | 10 | 135.15 | 36.05 | 11.40 |
| | 3 | 10 | 62.16 | 27.51 | 8.70 | 10 | 79.20 | 33.44 | 10.57 | 10 | 66.38 | 16.05 | 5.07 |
| | 4 | 10 | 35.40 | 15.20 | 4.81 | 10 | 43.30 | 23.13 | 7.31 | 10 | 38.97 | 10.87 | 3.44 |
| | 5 | 10 | 38.68 | 20.37 | 6.44 | 10 | 45.17 | 26.14 | 8.27 | 10 | 45.91 | 14.06 | 4.45 |
| | 6 | 10 | 18.05 | 10.06 | 3.18 | 10 | 17.77 | 9.85 | 3.11 | 10 | 25.21 | 11.37 | 3.60 |
| | 7 | 10 | 135.35 | 279.99 | 88.54 | 10 | 51.84 | 32.66 | 10.33 | 10 | 74.22 | 42.92 | 13.57 |
| | 8 | 10 | 0.69 | 1.65 | 0.52 | 10 | 0.91 | 1.47 | 0.47 | 10 | 2.32 | 2.67 | 0.85 |
| | 9 | 10 | 644.41 | 192.06 | 60.73 | 10 | 735.39 | 215.23 | 68.06 | 10 | 676.56 | 136.79 | 43.26 |
| | 1 | 3 | 136.35 | 9.51 | 5.49 | 3 | 136.35 | 9.51 | 5.49 | 3 | 136.35 | 9.51 | 5.49 |
| | 2 | 3 | 73.92 | 8.99 | 5.19 | 3 | 73.92 | 8.99 | 5.19 | 3 | 73.92 | 8.99 | 5.19 |
| | 3 | 3 | 72.36 | 13.33 | 7.70 | 3 | 72.36 | 13.33 | 7.70 | 3 | 72.36 | 13.33 | 7.70 |
| | 4 | 3 | 48.51 | 8.00 | 4.62 | 3 | 48.51 | 8.00 | 4.62 | 3 | 48.51 | 8.00 | 4.62 |
| | 5 | 3 | 57.58 | 10.34 | 5.97 | 3 | 57.58 | 10.34 | 5.97 | 3 | 57.58 | 10.34 | 5.97 |
| | 6 | 3 | 37.39 | 11.42 | 6.59 | 3 | 37.39 | 11.42 | 6.59 | 3 | 37.39 | 11.42 | 6.59 |
| | 7 | 3 | 84.06 | 23.92 | 13.81 | 3 | 84.06 | 23.92 | 13.81 | 3 | 84.06 | 23.92 | 13.81 |
| | 8 | 3 | 0.87 | 0.34 | 0.20 | 3 | 0.87 | 0.34 | 0.20 | 3 | 0.87 | 0.34 | 0.20 |
| | 9 | 3 | 389.47 | 16.79 | 9.70 | 3 | 389.47 | 16.79 | 9.70 | 3 | 389.47 | 16.79 | 9.70 |
| | 1 | 3 | 328.72 | 30.28 | 17.48 | 3 | 328.72 | 30.28 | 17.48 | 3 | 328.72 | 30.28 | 17.48 |
| | 2 | 3 | 153.65 | 33.21 | 19.18 | 3 | 153.65 | 33.21 | 19.18 | 3 | 153.65 | 33.21 | 19.18 |
| | 3 | 3 | 108.02 | 68.52 | 39.56 | 3 | 108.02 | 68.52 | 39.56 | 3 | 108.02 | 68.52 | 39.56 |
| | 4 | 3 | 64.26 | 11.23 | 6.48 | 3 | 64.26 | 11.23 | 6.48 | 3 | 64.26 | 11.23 | 6.48 |
| | 5 | 3 | 81.55 | 5.80 | 3.35 | 3 | 81.55 | 5.80 | 3.35 | 3 | 81.55 | 5.80 | 3.35 |
| | 6 | 3 | 38.25 | 13.09 | 7.56 | 3 | 38.25 | 13.09 | 7.56 | 3 | 38.25 | 13.09 | 7.56 |
| | 7 | 3 | 94.25 | 17.74 | 10.24 | 3 | 94.25 | 17.74 | 10.24 | 3 | 94.25 | 17.74 | 10.24 |
| | 8 | 3 | 0.63 | 0.35 | 0.20 | 3 | 0.63 | 0.35 | 0.20 | 3 | 0.63 | 0.35 | 0.20 |
| | 9 | 3 | 727.12 | 90.54 | 52.27 | 3 | 727.12 | 90.54 | 52.27 | 3 | 727.12 | 90.54 | 52.27 |
| | 1 | 3 | 346.89 | 36.76 | 21.22 | 3 | 346.89 | 36.76 | 21.22 | 3 | 346.89 | 36.76 | 21.22 |
| | 2 | 3 | 137.05 | 25.27 | 14.59 | 3 | 137.05 | 25.27 | 14.59 | 3 | 137.05 | 25.27 | 14.59 |
| | 3 | 3 | 69.61 | 6.77 | 3.91 | 3 | 69.61 | 6.77 | 3.91 | 3 | 69.61 | 6.77 | 3.91 |
| | 4 | 3 | 38.86 | 5.11 | 2.95 | 3 | 38.86 | 5.11 | 2.95 | 3 | 38.86 | 5.11 | 2.95 |
| | 5 | 3 | 39.35 | 5.41 | 3.12 | 3 | 39.35 | 5.41 | 3.12 | 3 | 39.35 | 5.41 | 3.12 |
| | 6 | 3 | 26.92 | 5.60 | 3.23 | 3 | 26.92 | 5.60 | 3.23 | 3 | 26.92 | 5.60 | 3.23 |
| | 7 | 3 | 52.50 | 18.69 | 10.79 | 3 | 52.50 | 18.69 | 10.79 | 3 | 52.50 | 18.69 | 10.79 |
| | 8 | 3 | 1.26 | 1.64 | 0.94 | 3 | 1.26 | 1.64 | 0.94 | 3 | 1.26 | 1.64 | 0.94 |
| | 9 | 3 | 631.75 | 42.13 | 24.32 | 3 | 631.75 | 42.13 | 24.32 | 3 | 631.75 | 42.13 | 24.32 |
| | 1 | 3 | 383.84 | 5.54 | 3.20 | 3 | 383.84 | 5.54 | 3.20 | 3 | 383.84 | 5.54 | 3.20 |
| | 2 | 3 | 149.88 | 33.28 | 19.21 | 3 | 149.88 | 33.28 | 19.21 | 3 | 149.88 | 33.28 | 19.21 |
| | 3 | 3 | 69.25 | 8.87 | 5.12 | 3 | 69.25 | 8.87 | 5.12 | 3 | 69.25 | 8.87 | 5.12 |
| | 4 | 3 | 39.22 | 3.96 | 2.28 | 3 | 39.22 | 3.96 | 2.28 | 3 | 39.22 | 3.96 | 2.28 |
| | 5 | 3 | 43.26 | 3.98 | 2.30 | 3 | 43.26 | 3.98 | 2.30 | 3 | 43.26 | 3.98 | 2.30 |
| | 6 | 3 | 20.34 | 4.22 | 2.46 | 3 | 20.34 | 4.22 | 2.46 | 3 | 20.34 | 4.22 | 2.46 |
| | 7 | 3 | 87.14 | 43.23 | 24.96 | 3 | 87.14 | 43.23 | 24.96 | 3 | 87.14 | 43.23 | 24.96 |
| | 8 | 3 | 1.31 | 0.88 | 0.51 | 3 | 1.31 | 0.88 | 0.51 | 3 | 1.31 | 0.88 | 0.51 |
| | 9 | 3 | 685.45 | 46.14 | 26.64 | 3 | 685.45 | 46.14 | 26.64 | 3 | 685.45 | 46.14 | 26.64 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 4 (Continued)

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|--------|--------|---------------|----|--------|---------------|-------|----|------------|-------|-------|---|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| 600-Minute | 1 | 10 | 291.05 | 117.81 | 37.25 | 10 | 268.33 | 95.14 | 30.09 | 10 | 194.08 | 53.07 | 16.78 | 3 | 251.16 | 50.72 | 29.28 |
| | 2 | 10 | 88.81 | 23.35 | 7.38 | 10 | 126.56 | 74.51 | 23.56 | 10 | 91.06 | 33.52 | 10.60 | 3 | 102.14 | 21.17 | 12.22 |
| | 3 | 10 | 32.76 | 7.38 | 2.33 | 10 | 50.14 | 16.54 | 5.23 | 10 | 43.24 | 23.06 | 7.29 | 3 | 42.05 | 8.75 | 5.05 |
| | 4 | 10 | 24.09 | 12.80 | 4.05 | 10 | 31.30 | 13.13 | 4.15 | 10 | 27.45 | 11.13 | 3.52 | 3 | 27.61 | 3.61 | 2.08 |
| | 5 | 10 | 23.96 | 7.72 | 2.44 | 10 | 29.30 | 9.12 | 2.88 | 10 | 32.10 | 9.67 | 3.06 | 3 | 28.45 | 4.14 | 2.39 |
| | 6 | 10 | 18.96 | 9.98 | 3.16 | 10 | 18.06 | 12.36 | 3.91 | 10 | 22.40 | 9.33 | 2.95 | 3 | 19.81 | 2.29 | 1.32 |
| | 7 | 10 | 27.54 | 5.56 | 1.76 | 10 | 30.91 | 10.12 | 3.20 | 10 | 34.69 | 14.15 | 4.47 | 3 | 31.04 | 3.58 | 2.06 |
| | 8 | 10 | 0.00 | 0.00 | 0.00 | 10 | 0.00 | 0.00 | 0.00 | 10 | 0.23 | 0.33 | 0.10 | 3 | 0.08 | 0.13 | 0.08 |
| | 9 | 10 | 460.67 | 126.59 | 40.03 | 10 | 505.63 | 133.54 | 42.23 | 10 | 387.93 | 92.16 | 29.14 | 3 | 451.41 | 59.39 | 34.29 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHEUS MONKEYS EXPOSED TO ATROPINE

TASK: 89-09

DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Total Power

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|--------|-------|---------------|----|--------|---------------|-------|----|------------|--------|-------|---|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| 600-Minute | 1 | 10 | 220.84 | 83.62 | 26.44 | 10 | 237.34 | 83.35 | 26.36 | 10 | 254.85 | 72.75 | 23.00 | 3 | 237.68 | 17.01 | 9.82 |
| | 2 | 10 | 87.32 | 38.38 | 12.14 | 10 | 134.16 | 52.90 | 16.73 | 10 | 84.38 | 27.40 | 8.66 | 3 | 101.95 | 27.94 | 16.13 |
| | 3 | 10 | 36.58 | 9.05 | 2.86 | 10 | 42.83 | 18.18 | 5.75 | 10 | 40.46 | 19.36 | 6.12 | 3 | 39.96 | 3.15 | 1.82 |
| | 4 | 10 | 30.27 | 14.62 | 4.62 | 10 | 41.01 | 13.05 | 4.13 | 10 | 38.22 | 13.89 | 4.39 | 3 | 36.50 | 5.58 | 3.22 |
| | 5 | 10 | 69.89 | 22.28 | 7.05 | 10 | 68.83 | 35.06 | 11.09 | 10 | 95.20 | 40.77 | 12.89 | 3 | 77.97 | 14.93 | 8.62 |
| | 6 | 10 | 33.67 | 8.49 | 2.69 | 10 | 23.13 | 7.88 | 2.49 | 10 | 41.00 | 11.57 | 3.66 | 3 | 32.60 | 8.98 | 5.19 |
| | 7 | 10 | 95.67 | 20.37 | 6.44 | 10 | 68.41 | 32.92 | 10.41 | 10 | 115.47 | 22.44 | 7.10 | 3 | 93.18 | 23.63 | 13.64 |
| | 8 | 10 | 0.50 | 0.62 | 0.19 | 10 | 0.12 | 0.19 | 0.06 | 10 | 1.40 | 0.77 | 0.24 | 3 | 0.67 | 0.66 | 0.38 |
| | 9 | 10 | 444.90 | 87.94 | 27.81 | 10 | 524.17 | 134.84 | 42.64 | 10 | 513.11 | 128.29 | 40.57 | 3 | 494.06 | 42.93 | 24.79 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|--------|--------|---------------|----|--------|---------------|-------|----|------------|--------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 129.77 | 70.82 | 22.40 | 10 | 115.49 | 65.00 | 20.55 | 10 | 155.19 | 76.13 | 24.07 |
| | 2 | 10 | 84.22 | 37.85 | 11.97 | 10 | 70.90 | 30.13 | 9.53 | 10 | 69.75 | 31.97 | 10.11 |
| | 3 | 10 | 79.87 | 53.95 | 17.06 | 10 | 100.82 | 44.93 | 14.21 | 10 | 65.82 | 33.12 | 10.47 |
| | 4 | 10 | 39.64 | 16.93 | 5.35 | 10 | 47.57 | 18.78 | 5.94 | 10 | 41.00 | 9.35 | 2.96 |
| | 5 | 10 | 46.31 | 9.52 | 3.01 | 10 | 85.61 | 30.15 | 9.53 | 10 | 66.73 | 46.06 | 14.57 |
| | 6 | 10 | 33.39 | 17.46 | 5.52 | 10 | 92.71 | 54.36 | 17.19 | 10 | 49.55 | 39.96 | 12.64 |
| | 7 | 10 | 60.78 | 20.73 | 6.55 | 10 | 118.12 | 36.14 | 11.43 | 10 | 88.01 | 57.41 | 18.16 |
| | 8 | 10 | 0.64 | 0.42 | 0.13 | 10 | 0.79 | 0.39 | 0.12 | 10 | 1.00 | 1.54 | 0.49 |
| | 9 | 10 | 381.45 | 137.19 | 43.38 | 10 | 420.41 | 127.53 | 40.33 | 10 | 398.49 | 119.92 | 37.92 |
| 30-Minute | 1 | 10 | 347.48 | 115.48 | 36.52 | 10 | 333.22 | 160.95 | 50.90 | 10 | 296.31 | 91.65 | 28.98 |
| | 2 | 10 | 134.69 | 56.63 | 17.91 | 10 | 183.00 | 140.18 | 44.33 | 10 | 137.94 | 74.30 | 23.50 |
| | 3 | 10 | 62.19 | 25.28 | 8.00 | 10 | 66.27 | 25.55 | 8.08 | 10 | 149.49 | 141.56 | 44.77 |
| | 4 | 10 | 48.44 | 17.00 | 5.38 | 10 | 51.07 | 18.03 | 5.70 | 10 | 77.60 | 48.17 | 15.23 |
| | 5 | 10 | 108.52 | 29.25 | 9.25 | 10 | 116.74 | 30.33 | 9.59 | 10 | 87.73 | 27.22 | 8.61 |
| | 6 | 10 | 31.23 | 12.74 | 4.03 | 10 | 49.00 | 32.03 | 10.13 | 10 | 35.70 | 15.73 | 4.97 |
| | 7 | 10 | 95.84 | 25.81 | 8.16 | 10 | 110.14 | 23.93 | 7.57 | 10 | 91.10 | 19.60 | 6.20 |
| | 8 | 10 | 0.56 | 0.78 | 0.25 | 10 | 0.57 | 0.79 | 0.25 | 10 | 0.45 | 1.03 | 0.33 |
| | 9 | 10 | 701.32 | 174.27 | 55.11 | 10 | 724.69 | 200.22 | 63.31 | 10 | 749.06 | 224.56 | 71.01 |
| 90-Minute | 1 | 10 | 358.50 | 86.19 | 27.25 | 10 | 291.19 | 100.00 | 31.62 | 10 | 295.53 | 83.12 | 26.28 |
| | 2 | 10 | 177.29 | 65.64 | 20.76 | 10 | 141.70 | 59.15 | 18.71 | 10 | 142.50 | 62.47 | 19.76 |
| | 3 | 10 | 72.04 | 32.39 | 10.24 | 10 | 71.94 | 21.18 | 6.70 | 10 | 70.29 | 46.35 | 14.66 |
| | 4 | 10 | 56.64 | 22.04 | 6.97 | 10 | 37.67 | 14.60 | 4.62 | 10 | 34.08 | 24.53 | 7.76 |
| | 5 | 10 | 85.07 | 36.59 | 11.57 | 10 | 61.54 | 25.58 | 8.09 | 10 | 38.82 | 32.01 | 10.12 |
| | 6 | 10 | 35.58 | 23.47 | 7.42 | 10 | 25.97 | 11.60 | 3.67 | 10 | 20.17 | 16.07 | 5.08 |
| | 7 | 10 | 173.07 | 81.65 | 25.82 | 10 | 53.95 | 18.32 | 5.79 | 10 | 80.73 | 136.48 | 43.16 |
| | 8 | 10 | 5.14 | 3.29 | 1.04 | 10 | 0.25 | 0.45 | 0.14 | 10 | 2.53 | 6.12 | 1.94 |
| | 9 | 10 | 749.53 | 74.04 | 23.41 | 10 | 604.04 | 124.52 | 39.38 | 10 | 581.22 | 212.02 | 67.05 |
| 300-Minute | 1 | 10 | 314.39 | 101.46 | 32.08 | 10 | 321.68 | 133.74 | 42.29 | 10 | 256.44 | 109.85 | 34.74 |
| | 2 | 10 | 102.15 | 39.70 | 12.55 | 10 | 186.96 | 58.84 | 18.61 | 10 | 142.10 | 35.46 | 11.21 |
| | 3 | 10 | 67.57 | 34.98 | 11.06 | 10 | 72.60 | 36.08 | 11.41 | 10 | 65.75 | 25.17 | 7.96 |
| | 4 | 10 | 43.31 | 22.33 | 7.06 | 10 | 44.50 | 24.66 | 7.80 | 10 | 46.32 | 16.99 | 5.37 |
| | 5 | 10 | 92.89 | 49.23 | 15.57 | 10 | 70.45 | 38.44 | 12.16 | 10 | 80.20 | 31.43 | 9.94 |
| | 6 | 10 | 36.84 | 17.92 | 5.67 | 10 | 25.45 | 13.33 | 4.22 | 10 | 38.26 | 16.66 | 5.27 |
| | 7 | 10 | 157.85 | 215.11 | 68.02 | 10 | 89.38 | 45.76 | 14.47 | 10 | 141.42 | 117.00 | 37.00 |
| | 8 | 10 | 1.31 | 1.89 | 0.60 | 10 | 3.18 | 5.14 | 1.62 | 10 | 3.76 | 4.04 | 1.28 |
| | 9 | 10 | 620.30 | 173.71 | 54.93 | 10 | 696.20 | 215.81 | 68.25 | 10 | 590.81 | 113.65 | 35.94 |
| | 1 | 3 | 297.50 | 35.75 | 20.64 | 3 | 297.50 | 35.75 | 20.64 | 3 | 297.50 | 35.75 | 20.64 |
| | 2 | 3 | 143.74 | 42.43 | 24.50 | 3 | 143.74 | 42.43 | 24.50 | 3 | 143.74 | 42.43 | 24.50 |
| | 3 | 3 | 68.64 | 3.55 | 2.05 | 3 | 68.64 | 3.55 | 2.05 | 3 | 68.64 | 3.55 | 2.05 |
| | 4 | 3 | 44.71 | 1.52 | 0.88 | 3 | 44.71 | 1.52 | 0.88 | 3 | 44.71 | 1.52 | 0.88 |
| | 5 | 3 | 81.18 | 11.25 | 6.50 | 3 | 81.18 | 11.25 | 6.50 | 3 | 81.18 | 11.25 | 6.50 |
| | 6 | 3 | 33.52 | 7.02 | 4.05 | 3 | 33.52 | 7.02 | 4.05 | 3 | 33.52 | 7.02 | 4.05 |
| | 7 | 3 | 129.55 | 35.75 | 20.64 | 3 | 129.55 | 35.75 | 20.64 | 3 | 129.55 | 35.75 | 20.64 |
| | 8 | 3 | 2.75 | 1.28 | 0.74 | 3 | 2.75 | 1.28 | 0.74 | 3 | 2.75 | 1.28 | 0.74 |
| | 9 | 3 | 635.77 | 54.37 | 31.39 | 3 | 635.77 | 54.37 | 31.39 | 3 | 635.77 | 54.37 | 31.39 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|--------|--------|---------------|----|--------|---------------|-------|----|------------|--------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 79.36 | 47.14 | 14.91 | 10 | 80.21 | 65.15 | 20.60 | 10 | 92.91 | 35.08 | 11.09 |
| | 2 | 10 | 40.28 | 19.82 | 6.27 | 10 | 35.58 | 17.84 | 5.64 | 10 | 41.61 | 16.73 | 5.29 |
| | 3 | 10 | 32.12 | 15.75 | 4.98 | 10 | 40.53 | 14.40 | 4.55 | 10 | 34.94 | 20.39 | 6.45 |
| | 4 | 10 | 24.82 | 7.97 | 2.52 | 10 | 24.42 | 9.79 | 3.10 | 10 | 21.80 | 7.32 | 2.32 |
| | 5 | 10 | 18.03 | 3.58 | 1.13 | 10 | 29.41 | 22.81 | 7.21 | 10 | 18.57 | 7.16 | 2.26 |
| | 6 | 10 | 11.23 | 5.66 | 1.79 | 10 | 21.51 | 9.96 | 3.15 | 10 | 14.42 | 10.44 | 3.30 |
| | 7 | 10 | 21.65 | 7.64 | 2.41 | 10 | 43.40 | 45.49 | 14.38 | 10 | 25.09 | 18.75 | 5.93 |
| | 8 | 10 | 0.14 | 0.17 | 0.05 | 10 | 0.26 | 0.42 | 0.13 | 10 | 0.20 | 0.33 | 0.10 |
| | 9 | 10 | 195.19 | 76.78 | 24.28 | 10 | 210.13 | 80.89 | 25.58 | 10 | 209.82 | 52.56 | 16.62 |
| 30-Minute | 1 | 10 | 157.45 | 130.10 | 41.14 | 10 | 90.18 | 33.14 | 10.48 | 10 | 165.37 | 84.80 | 26.82 |
| | 2 | 10 | 56.23 | 30.00 | 9.49 | 10 | 56.40 | 31.35 | 9.91 | 10 | 58.20 | 20.87 | 6.60 |
| | 3 | 10 | 29.37 | 11.69 | 3.70 | 10 | 26.63 | 7.50 | 2.37 | 10 | 31.52 | 25.69 | 8.12 |
| | 4 | 10 | 21.26 | 3.83 | 1.21 | 10 | 20.92 | 7.62 | 2.41 | 10 | 27.12 | 8.15 | 2.58 |
| | 5 | 10 | 32.81 | 7.99 | 2.53 | 10 | 32.60 | 9.23 | 2.92 | 10 | 23.92 | 6.03 | 1.91 |
| | 6 | 10 | 9.13 | 3.97 | 1.25 | 10 | 14.44 | 5.82 | 1.84 | 10 | 10.17 | 3.59 | 1.13 |
| | 7 | 10 | 29.28 | 7.51 | 2.37 | 10 | 35.59 | 16.36 | 5.17 | 10 | 28.49 | 8.61 | 2.72 |
| | 8 | 10 | 0.01 | 0.04 | 0.01 | 10 | 0.22 | 0.20 | 0.06 | 10 | 0.01 | 0.02 | 0.01 |
| | 9 | 10 | 297.11 | 152.14 | 48.11 | 10 | 221.21 | 51.52 | 16.29 | 10 | 306.13 | 87.97 | 27.82 |
| 90-Minute | 1 | 10 | 161.23 | 68.38 | 21.62 | 10 | 159.13 | 82.96 | 26.24 | 10 | 160.21 | 74.07 | 23.42 |
| | 2 | 10 | 73.11 | 36.47 | 11.53 | 10 | 52.28 | 21.82 | 6.90 | 10 | 55.59 | 28.54 | 9.02 |
| | 3 | 10 | 46.08 | 26.32 | 8.32 | 10 | 28.46 | 13.89 | 4.39 | 10 | 25.23 | 11.95 | 3.78 |
| | 4 | 10 | 35.18 | 31.19 | 9.86 | 10 | 20.40 | 10.83 | 3.42 | 10 | 16.56 | 7.72 | 2.44 |
| | 5 | 10 | 48.13 | 31.46 | 9.95 | 10 | 22.37 | 9.53 | 3.01 | 10 | 17.09 | 13.57 | 4.29 |
| | 6 | 10 | 27.33 | 22.80 | 7.21 | 10 | 9.25 | 6.67 | 2.11 | 10 | 6.66 | 6.56 | 2.07 |
| | 7 | 10 | 178.48 | 188.14 | 59.49 | 10 | 25.79 | 29.99 | 9.48 | 10 | 19.58 | 25.37 | 8.02 |
| | 8 | 10 | 5.04 | 4.54 | 1.44 | 10 | 0.61 | 1.94 | 0.61 | 10 | 0.43 | 0.96 | 0.30 |
| | 9 | 10 | 363.73 | 146.21 | 46.23 | 10 | 282.64 | 104.00 | 32.89 | 10 | 274.69 | 106.89 | 33.80 |
| 300-Minute | 1 | 10 | 106.08 | 61.48 | 19.44 | 10 | 140.77 | 75.72 | 23.94 | 10 | 141.59 | 82.28 | 26.02 |
| | 2 | 10 | 50.14 | 21.78 | 6.89 | 10 | 73.47 | 35.74 | 11.30 | 10 | 51.53 | 21.37 | 6.76 |
| | 3 | 10 | 26.19 | 14.04 | 4.44 | 10 | 33.28 | 16.84 | 5.33 | 10 | 46.09 | 55.14 | 17.44 |
| | 4 | 10 | 19.06 | 11.99 | 3.79 | 10 | 21.72 | 13.20 | 4.17 | 10 | 25.73 | 24.53 | 7.76 |
| | 5 | 10 | 33.13 | 15.15 | 4.79 | 10 | 31.16 | 17.11 | 5.41 | 10 | 42.57 | 40.06 | 12.67 |
| | 6 | 10 | 12.02 | 4.95 | 1.56 | 10 | 16.13 | 11.86 | 3.75 | 10 | 24.21 | 35.01 | 11.07 |
| | 7 | 10 | 80.10 | 95.30 | 30.14 | 10 | 80.39 | 82.90 | 26.22 | 10 | 132.13 | 172.23 | 54.46 |
| | 8 | 10 | 1.13 | 1.88 | 0.60 | 10 | 3.70 | 5.41 | 1.71 | 10 | 6.17 | 8.57 | 2.71 |
| | 9 | 10 | 234.60 | 93.47 | 29.56 | 10 | 300.40 | 130.36 | 41.22 | 10 | 307.52 | 140.55 | 44.45 |
| | 1 | 3 | 129.48 | 20.27 | 11.70 | 3 | 58.38 | 13.08 | 7.55 | 3 | 129.48 | 20.27 | 11.70 |
| | 2 | 3 | 35.19 | 10.09 | 5.82 | 3 | 35.19 | 10.09 | 5.82 | 3 | 35.19 | 10.09 | 5.82 |
| | 3 | 3 | 35.62 | 6.10 | 3.52 | 3 | 35.62 | 6.10 | 3.52 | 3 | 35.62 | 6.10 | 3.52 |
| | 4 | 3 | 17.45 | 6.20 | 3.58 | 3 | 17.45 | 6.20 | 3.58 | 3 | 17.45 | 6.20 | 3.58 |
| | 5 | 3 | 29.54 | 29.95 | 17.29 | 3 | 29.54 | 29.95 | 17.29 | 3 | 29.54 | 29.95 | 17.29 |
| | 6 | 3 | 3.67 | 2.52 | 1.46 | 3 | 3.67 | 2.52 | 1.46 | 3 | 3.67 | 2.52 | 1.46 |
| | 7 | 3 | 280.84 | 40.20 | 23.21 | 3 | 280.84 | 40.20 | 23.21 | 3 | 280.84 | 40.20 | 23.21 |
| | 8 | 3 | 137.67 | 41.31 | 23.85 | 3 | 137.67 | 41.31 | 23.85 | 3 | 137.67 | 41.31 | 23.85 |
| | 9 | 3 | 56.94 | 1.09 | 0.63 | 3 | 56.94 | 1.09 | 0.63 | 3 | 56.94 | 1.09 | 0.63 |

PARAMETER = Total Power
CHANNEL = 2 (Continued)

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|--------|-------|---------------|----|--------|---------------|-------|----|------------|-------|-------|---|--------|-------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| 600-Minute | 1 | 10 | 98.50 | 63.51 | 20.08 | 10 | 99.19 | 47.28 | 14.95 | 10 | 101.34 | 52.46 | 16.59 | 3 | 99.68 | 1.48 | 0.85 |
| | 2 | 10 | 30.11 | 15.44 | 4.88 | 10 | 38.88 | 18.53 | 5.86 | 10 | 36.44 | 24.81 | 7.84 | 3 | 35.14 | 4.52 | 2.61 |
| | 3 | 10 | 14.54 | 4.64 | 1.47 | 10 | 20.54 | 8.47 | 2.68 | 10 | 16.01 | 6.44 | 2.04 | 3 | 17.03 | 3.13 | 1.80 |
| | 4 | 10 | 12.17 | 3.22 | 1.02 | 10 | 15.00 | 7.49 | 2.37 | 10 | 11.24 | 4.62 | 1.46 | 3 | 12.80 | 1.96 | 1.13 |
| | 5 | 10 | 24.24 | 7.40 | 2.34 | 10 | 27.29 | 8.50 | 2.69 | 10 | 29.01 | 10.25 | 3.24 | 3 | 26.85 | 2.41 | 1.39 |
| | 6 | 10 | 7.75 | 2.28 | 0.72 | 10 | 7.59 | 2.79 | 0.88 | 10 | 10.16 | 3.22 | 1.02 | 3 | 8.50 | 1.44 | 0.83 |
| | 7 | 10 | 32.14 | 7.08 | 2.24 | 10 | 23.62 | 5.14 | 1.62 | 10 | 35.46 | 10.83 | 3.42 | 3 | 30.41 | 6.11 | 3.53 |
| | 8 | 10 | 0.14 | 0.24 | 0.08 | 10 | 0.08 | 0.19 | 0.06 | 10 | 0.28 | 0.32 | 0.10 | 3 | 0.17 | 0.10 | 0.06 |
| | 9 | 10 | 179.57 | 67.80 | 21.44 | 10 | 200.89 | 67.44 | 21.33 | 10 | 194.03 | 72.41 | 22.90 | 3 | 191.50 | 10.88 | 6.28 |

PARAMETER = Total Power
CHANNEL = 1 (Continued)

| Blood Draw | Freq. Band | Windows 1-10 | | | | Windows 11-20 | | | | Windows 21-30 | | | | Grand Mean | | | |
|------------|------------|--------------|--------|-------|-------|---------------|--------|-------|-------|---------------|--------|-------|-------|------------|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| 600-Minute | 1 | 10 | 98.06 | 50.43 | 15.95 | 10 | 98.89 | 64.73 | 20.47 | 10 | 62.36 | 20.10 | 6.36 | 3 | 86.44 | 20.86 | 12.04 |
| | 2 | 10 | 34.34 | 22.33 | 7.06 | 10 | 36.76 | 15.86 | 5.02 | 10 | 40.71 | 19.65 | 6.21 | 3 | 37.27 | 3.22 | 1.86 |
| | 3 | 10 | 17.34 | 7.16 | 2.26 | 10 | 23.36 | 16.57 | 5.24 | 10 | 22.37 | 8.26 | 2.61 | 3 | 21.02 | 3.23 | 1.87 |
| | 4 | 10 | 12.07 | 5.44 | 1.72 | 10 | 13.12 | 9.66 | 3.05 | 10 | 19.01 | 7.65 | 2.42 | 3 | 14.73 | 3.74 | 2.16 |
| | 5 | 10 | 11.49 | 4.71 | 1.49 | 10 | 15.96 | 12.93 | 4.09 | 10 | 23.77 | 13.98 | 4.42 | 3 | 17.08 | 6.22 | 3.59 |
| | 6 | 10 | 10.26 | 4.90 | 1.55 | 10 | 7.65 | 3.85 | 1.22 | 10 | 20.62 | 8.16 | 2.58 | 3 | 12.84 | 6.86 | 3.96 |
| | 7 | 10 | 17.78 | 11.30 | 3.57 | 10 | 16.47 | 17.89 | 5.66 | 10 | 44.39 | 34.73 | 10.98 | 3 | 26.21 | 15.75 | 9.09 |
| | 8 | 10 | 0.04 | 0.09 | 0.03 | 10 | 0.09 | 0.28 | 0.09 | 10 | 0.41 | 0.42 | 0.13 | 3 | 0.18 | 0.20 | 0.11 |
| | 9 | 10 | 173.29 | 58.62 | 18.54 | 10 | 188.10 | 84.13 | 26.60 | 10 | 168.23 | 25.97 | 8.21 | 3 | 176.54 | 10.33 | 5.96 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|--------|--------|---------------|----|--------|---------------|-------|----|------------|--------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 55.30 | 19.29 | 6.10 | 10 | 64.52 | 26.88 | 8.50 | 10 | 68.32 | 27.16 | 8.59 |
| | 2 | 10 | 36.15 | 17.63 | 5.57 | 10 | 46.58 | 33.80 | 10.69 | 10 | 35.81 | 27.69 | 8.76 |
| | 3 | 10 | 45.46 | 18.90 | 5.98 | 10 | 50.79 | 24.14 | 7.63 | 10 | 35.88 | 14.74 | 4.66 |
| | 4 | 10 | 34.11 | 10.70 | 3.38 | 10 | 49.43 | 17.38 | 5.49 | 10 | 42.75 | 23.31 | 7.37 |
| | 5 | 10 | 27.59 | 8.03 | 2.54 | 10 | 60.95 | 31.54 | 9.97 | 10 | 41.59 | 19.30 | 6.10 |
| | 6 | 10 | 12.50 | 5.48 | 1.73 | 10 | 29.32 | 12.30 | 3.89 | 10 | 32.38 | 17.11 | 5.41 |
| | 7 | 10 | 40.65 | 16.81 | 5.32 | 10 | 98.02 | 52.83 | 16.71 | 10 | 87.50 | 39.72 | 12.56 |
| | 8 | 10 | 0.41 | 0.33 | 0.10 | 10 | 1.33 | 0.85 | 0.27 | 10 | 1.17 | 0.80 | 0.25 |
| | 9 | 10 | 198.82 | 47.67 | 15.07 | 10 | 272.27 | 83.38 | 26.37 | 10 | 224.36 | 50.68 | 16.03 |
| 30-Minute | 1 | 10 | 135.30 | 62.38 | 19.72 | 10 | 74.50 | 38.18 | 12.07 | 10 | 116.42 | 40.04 | 12.66 |
| | 2 | 10 | 52.99 | 30.82 | 9.75 | 10 | 57.64 | 44.88 | 14.19 | 10 | 65.32 | 30.35 | 9.60 |
| | 3 | 10 | 37.53 | 17.80 | 5.63 | 10 | 36.75 | 17.32 | 5.48 | 10 | 32.42 | 17.52 | 5.54 |
| | 4 | 10 | 23.48 | 12.91 | 4.08 | 10 | 46.26 | 16.65 | 5.27 | 10 | 28.91 | 20.20 | 6.39 |
| | 5 | 10 | 26.93 | 13.46 | 4.26 | 10 | 47.15 | 15.35 | 4.86 | 10 | 35.14 | 22.58 | 7.14 |
| | 6 | 10 | 20.61 | 10.51 | 3.32 | 10 | 27.96 | 9.74 | 3.08 | 10 | 21.18 | 13.36 | 4.22 |
| | 7 | 10 | 41.95 | 19.76 | 6.25 | 10 | 92.82 | 18.94 | 5.99 | 10 | 54.71 | 42.59 | 13.47 |
| | 8 | 10 | 0.33 | 0.47 | 0.15 | 10 | 1.24 | 0.80 | 0.25 | 10 | 0.40 | 0.63 | 0.20 |
| | 9 | 10 | 276.23 | 90.72 | 28.69 | 10 | 252.93 | 65.20 | 20.62 | 10 | 278.21 | 72.52 | 22.93 |
| 90-Minute | 1 | 10 | 123.31 | 40.03 | 12.66 | 10 | 181.68 | 107.63 | 34.04 | 10 | 155.07 | 74.63 | 23.60 |
| | 2 | 10 | 58.56 | 17.27 | 5.46 | 10 | 57.66 | 27.17 | 8.59 | 10 | 57.33 | 21.23 | 6.71 |
| | 3 | 10 | 35.15 | 10.21 | 3.23 | 10 | 26.58 | 17.06 | 5.40 | 10 | 29.47 | 17.62 | 5.57 |
| | 4 | 10 | 23.13 | 6.99 | 2.21 | 10 | 13.91 | 5.18 | 1.64 | 10 | 17.97 | 7.63 | 2.41 |
| | 5 | 10 | 21.82 | 9.97 | 3.15 | 10 | 15.30 | 5.27 | 1.67 | 10 | 28.69 | 28.30 | 8.95 |
| | 6 | 10 | 29.46 | 17.32 | 5.48 | 10 | 7.86 | 4.79 | 1.51 | 10 | 15.07 | 13.32 | 4.21 |
| | 7 | 10 | 75.98 | 44.58 | 14.10 | 10 | 11.58 | 7.03 | 2.22 | 10 | 53.68 | 93.58 | 29.59 |
| | 8 | 10 | 3.62 | 3.24 | 1.03 | 10 | 0.00 | 0.00 | 0.00 | 10 | 1.44 | 2.82 | 0.89 |
| | 9 | 10 | 261.97 | 47.95 | 15.16 | 10 | 295.14 | 138.93 | 43.93 | 10 | 288.53 | 64.37 | 20.35 |
| 300-Minute | 1 | 10 | 126.97 | 52.52 | 16.61 | 10 | 171.68 | 86.63 | 27.40 | 10 | 162.19 | 76.73 | 24.26 |
| | 2 | 10 | 53.96 | 24.86 | 7.86 | 10 | 73.46 | 28.98 | 9.16 | 10 | 47.75 | 21.81 | 6.90 |
| | 3 | 10 | 25.93 | 12.18 | 3.85 | 10 | 27.90 | 9.84 | 3.11 | 10 | 28.28 | 22.69 | 7.18 |
| | 4 | 10 | 15.63 | 8.15 | 2.58 | 10 | 15.53 | 9.17 | 2.90 | 10 | 19.35 | 18.12 | 5.73 |
| | 5 | 10 | 21.75 | 20.72 | 6.55 | 10 | 15.10 | 6.33 | 2.00 | 10 | 20.56 | 17.28 | 5.46 |
| | 6 | 10 | 12.52 | 8.24 | 2.61 | 10 | 10.20 | 4.23 | 1.34 | 10 | 15.23 | 11.14 | 3.52 |
| | 7 | 10 | 62.83 | 117.82 | 37.26 | 10 | 39.85 | 41.08 | 12.99 | 10 | 96.39 | 139.38 | 44.08 |
| | 8 | 10 | 0.99 | 1.17 | 0.37 | 10 | 2.12 | 3.12 | 0.99 | 10 | 5.11 | 7.17 | 2.27 |
| | 9 | 10 | 244.24 | 83.96 | 26.55 | 10 | 303.68 | 114.98 | 36.36 | 10 | 278.14 | 103.17 | 32.62 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | | | | |
| Baseline | 1 | 9 | 2.17 | 0.56 | 0.19 | 9 | 2.17 | 0.75 | 0.25 | 6 | 2.42 | 0.49 | 0.20 | 3 | 2.25 | 0.14 | 0.08 |
| | 2 | 9 | 6.11 | 1.05 | 0.35 | 9 | 5.89 | 0.96 | 0.32 | 10 | 6.00 | 1.05 | 0.33 | 3 | 6.00 | 0.11 | 0.06 |
| | 3 | 10 | 10.20 | 0.92 | 0.29 | 10 | 10.35 | 1.33 | 0.42 | 10 | 10.70 | 1.21 | 0.38 | 3 | 10.42 | 0.26 | 0.15 |
| | 4 | 10 | 16.10 | 0.99 | 0.31 | 10 | 15.45 | 1.04 | 0.33 | 10 | 15.00 | 1.49 | 0.47 | 3 | 15.52 | 0.55 | 0.32 |
| | 5 | 10 | 21.75 | 1.77 | 0.56 | 10 | 21.70 | 1.92 | 0.61 | 10 | 22.30 | 1.44 | 0.45 | 3 | 21.92 | 0.33 | 0.19 |
| 30-Minute | 9 | 10 | 3.65 | 2.68 | 0.85 | 10 | 7.95 | 9.13 | 2.89 | 10 | 5.85 | 6.57 | 2.08 | 3 | 5.82 | 2.15 | 1.24 |
| | 1 | 10 | 2.30 | 0.63 | 0.20 | 9 | 2.50 | 0.83 | 0.28 | 10 | 2.05 | 0.60 | 0.19 | 3 | 2.28 | 0.23 | 0.13 |
| | 2 | 9 | 5.67 | 0.94 | 0.31 | 10 | 5.50 | 1.20 | 0.38 | 10 | 6.25 | 0.79 | 0.25 | 3 | 5.81 | 0.39 | 0.23 |
| | 3 | 9 | 10.44 | 1.07 | 0.36 | 10 | 10.90 | 1.52 | 0.48 | 9 | 11.33 | 0.97 | 0.32 | 3 | 10.89 | 0.44 | 0.26 |
| | 4 | 10 | 15.75 | 1.06 | 0.34 | 10 | 15.50 | 1.27 | 0.40 | 10 | 15.85 | 1.20 | 0.38 | 3 | 15.70 | 0.18 | 0.10 |
| 90-Minute | 5 | 10 | 20.20 | 1.57 | 0.50 | 10 | 21.30 | 2.06 | 0.65 | 10 | 20.75 | 1.34 | 0.42 | 3 | 20.75 | 0.55 | 0.32 |
| | 9 | 10 | 2.30 | 0.63 | 0.20 | 10 | 4.65 | 5.82 | 1.84 | 10 | 3.70 | 3.89 | 1.23 | 3 | 3.55 | 1.18 | 0.68 |
| | 1 | 8 | 2.12 | 0.92 | 0.32 | 9 | 2.33 | 0.61 | 0.20 | 8 | 2.75 | 0.71 | 0.25 | 3 | 2.40 | 0.32 | 0.18 |
| | 2 | 9 | 5.61 | 0.82 | 0.27 | 9 | 5.78 | 1.00 | 0.33 | 10 | 5.80 | 0.92 | 0.29 | 3 | 5.73 | 0.10 | 0.06 |
| | 3 | 10 | 9.75 | 1.21 | 0.38 | 10 | 10.35 | 1.20 | 0.38 | 9 | 10.17 | 1.00 | 0.33 | 3 | 10.09 | 0.31 | 0.18 |
| 300-Minute | 4 | 10 | 15.35 | 1.42 | 0.45 | 10 | 15.90 | 1.07 | 0.34 | 10 | 15.70 | 1.58 | 0.50 | 3 | 15.65 | 0.28 | 0.16 |
| | 5 | 10 | 20.60 | 1.15 | 0.36 | 10 | 20.40 | 1.39 | 0.44 | 10 | 21.80 | 1.90 | 0.60 | 3 | 20.93 | 0.76 | 0.44 |
| | 9 | 10 | 3.35 | 1.93 | 0.61 | 10 | 3.10 | 1.52 | 0.48 | 10 | 3.10 | 0.97 | 0.31 | 3 | 3.18 | 0.14 | 0.08 |
| | 1 | 10 | 2.10 | 0.61 | 0.19 | 10 | 2.10 | 0.52 | 0.16 | 10 | 2.20 | 0.48 | 0.15 | 3 | 2.13 | 0.06 | 0.03 |
| | 2 | 10 | 5.85 | 0.82 | 0.26 | 10 | 6.05 | 1.19 | 0.38 | 9 | 5.94 | 0.81 | 0.27 | 3 | 5.95 | 0.10 | 0.06 |
| 600-Minute | 3 | 10 | 10.00 | 1.25 | 0.39 | 10 | 10.45 | 1.26 | 0.40 | 10 | 10.67 | 1.13 | 0.36 | 3 | 10.38 | 0.34 | 0.20 |
| | 4 | 10 | 15.90 | 0.99 | 0.31 | 10 | 15.45 | 1.42 | 0.45 | 10 | 15.80 | 1.23 | 0.39 | 3 | 15.72 | 0.24 | 0.14 |
| | 5 | 10 | 22.15 | 1.38 | 0.43 | 10 | 20.55 | 1.52 | 0.48 | 10 | 21.75 | 1.59 | 0.50 | 3 | 21.48 | 0.83 | 0.48 |
| | 9 | 10 | 2.10 | 0.61 | 0.19 | 10 | 2.80 | 1.18 | 0.37 | 10 | 2.60 | 1.29 | 0.41 | 3 | 2.50 | 0.36 | 0.21 |
| | 1 | 10 | 2.60 | 0.70 | 0.22 | 10 | 2.30 | 0.82 | 0.26 | 8 | 2.31 | 0.75 | 0.27 | 3 | 2.40 | 0.17 | 0.10 |
| | 2 | 9 | 6.22 | 0.87 | 0.29 | 9 | 5.67 | 0.79 | 0.26 | 10 | 6.15 | 0.75 | 0.24 | 3 | 6.01 | 0.30 | 0.17 |
| | 3 | 9 | 10.11 | 1.24 | 0.41 | 10 | 11.10 | 0.74 | 0.23 | 10 | 10.40 | 0.99 | 0.31 | 3 | 10.54 | 0.51 | 0.29 |
| | 4 | 9 | 16.56 | 0.95 | 0.32 | 10 | 15.55 | 1.36 | 0.43 | 10 | 16.15 | 1.29 | 0.41 | 3 | 16.09 | 0.51 | 0.29 |
| | 5 | 10 | 20.10 | 1.31 | 0.41 | 10 | 21.95 | 2.10 | 0.66 | 10 | 21.40 | 1.29 | 0.41 | 3 | 21.15 | 0.95 | 0.55 |
| | 9 | 10 | 4.90 | 5.57 | 1.76 | 10 | 2.60 | 1.31 | 0.41 | 10 | 5.10 | 6.26 | 1.98 | 3 | 4.20 | 1.39 | 0.80 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 8 | 2.19 | 0.46 | 0.16 | 10 | 2.75 | 0.72 | 0.23 | 7 | 2.43 | 0.53 | 0.20 | 3 | 2.46 | 0.28 | 0.16 |
| | 2 | 10 | 6.20 | 1.01 | 0.32 | 9 | 5.72 | 0.83 | 0.28 | 10 | 5.95 | 0.83 | 0.26 | 3 | 5.96 | 0.24 | 0.14 |
| | 3 | 10 | 10.30 | 1.21 | 0.38 | 10 | 9.80 | 1.38 | 0.44 | 10 | 10.20 | 1.30 | 0.41 | 3 | 10.10 | 0.26 | 0.15 |
| | 4 | 10 | 15.80 | 1.14 | 0.36 | 10 | 14.70 | 0.95 | 0.30 | 10 | 15.15 | 1.53 | 0.48 | 3 | 15.22 | 0.55 | 0.32 |
| | 5 | 10 | 21.00 | 1.63 | 0.52 | 10 | 20.25 | 1.65 | 0.52 | 10 | 20.70 | 1.03 | 0.33 | 3 | 20.65 | 0.38 | 0.22 |
| | 9 | 10 | 3.50 | 2.80 | 0.89 | 10 | 3.40 | 1.56 | 0.49 | 10 | 3.65 | 1.81 | 0.57 | 3 | 3.52 | 0.13 | 0.07 |
| 30-Minute | 1 | 10 | 2.50 | 0.67 | 0.21 | 8 | 2.00 | 0.46 | 0.16 | 10 | 2.20 | 0.67 | 0.21 | 3 | 2.23 | 0.25 | 0.15 |
| | 2 | 9 | 6.06 | 1.04 | 0.35 | 10 | 5.60 | 0.94 | 0.30 | 9 | 6.33 | 0.61 | 0.20 | 3 | 6.00 | 0.37 | 0.21 |
| | 3 | 10 | 10.50 | 1.05 | 0.33 | 10 | 9.90 | 1.07 | 0.34 | 10 | 10.55 | 1.09 | 0.35 | 3 | 10.32 | 0.36 | 0.21 |
| | 4 | 10 | 14.95 | 1.09 | 0.35 | 9 | 15.00 | 1.06 | 0.35 | 10 | 16.20 | 1.11 | 0.35 | 3 | 15.38 | 0.71 | 0.41 |
| | 5 | 10 | 21.05 | 1.76 | 0.56 | 9 | 21.17 | 1.75 | 0.58 | 10 | 20.45 | 1.46 | 0.46 | 3 | 20.89 | 0.38 | 0.22 |
| | 9 | 10 | 2.70 | 0.92 | 0.29 | 10 | 2.75 | 1.16 | 0.37 | 10 | 4.70 | 4.18 | 1.32 | 3 | 3.38 | 1.14 | 0.66 |
| 90-Minute | 1 | 10 | 2.10 | 0.70 | 0.22 | 9 | 2.28 | 0.67 | 0.22 | 10 | 2.05 | 0.60 | 0.19 | 3 | 2.14 | 0.12 | 0.07 |
| | 2 | 9 | 5.78 | 1.00 | 0.33 | 10 | 6.15 | 1.06 | 0.33 | 9 | 6.50 | 0.87 | 0.29 | 3 | 6.14 | 0.36 | 0.21 |
| | 3 | 10 | 9.40 | 0.99 | 0.31 | 10 | 10.45 | 1.30 | 0.41 | 10 | 10.05 | 1.19 | 0.38 | 3 | 9.97 | 0.53 | 0.31 |
| | 4 | 10 | 15.40 | 1.52 | 0.48 | 10 | 15.80 | 1.18 | 0.37 | 9 | 15.11 | 1.50 | 0.50 | 3 | 15.44 | 0.35 | 0.20 |
| | 5 | 10 | 20.60 | 1.39 | 0.44 | 10 | 20.75 | 1.32 | 0.42 | 10 | 21.30 | 1.96 | 0.62 | 3 | 20.88 | 0.37 | 0.21 |
| | 9 | 10 | 2.35 | 1.03 | 0.33 | 10 | 2.45 | 0.83 | 0.26 | 10 | 2.05 | 0.60 | 0.19 | 3 | 2.28 | 0.21 | 0.12 |
| 300-Minute | 1 | 10 | 1.95 | 0.55 | 0.17 | 10 | 2.35 | 0.53 | 0.17 | 10 | 2.30 | 0.59 | 0.19 | 3 | 2.20 | 0.22 | 0.13 |
| | 2 | 10 | 5.95 | 0.76 | 0.24 | 9 | 6.22 | 1.33 | 0.44 | 9 | 6.28 | 1.06 | 0.35 | 3 | 6.15 | 0.18 | 0.10 |
| | 3 | 9 | 10.50 | 1.22 | 0.41 | 10 | 10.20 | 1.11 | 0.35 | 9 | 9.89 | 1.11 | 0.37 | 3 | 10.20 | 0.31 | 0.18 |
| | 4 | 10 | 15.45 | 1.46 | 0.46 | 10 | 15.00 | 1.15 | 0.37 | 10 | 15.55 | 1.52 | 0.48 | 3 | 15.33 | 0.29 | 0.17 |
| | 5 | 10 | 22.50 | 1.62 | 0.51 | 10 | 22.50 | 1.56 | 0.49 | 10 | 21.77 | 0.93 | 0.29 | 3 | 22.26 | 0.42 | 0.24 |
| | 9 | 10 | 1.95 | 0.55 | 0.17 | 10 | 2.55 | 0.72 | 0.23 | 10 | 2.30 | 0.59 | 0.19 | 3 | 2.27 | 0.30 | 0.17 |
| 600-Minute | 1 | 10 | 2.30 | 0.75 | 0.24 | 9 | 2.56 | 0.58 | 0.19 | 9 | 2.50 | 0.75 | 0.25 | 3 | 2.45 | 0.13 | 0.08 |
| | 2 | 10 | 5.55 | 0.60 | 0.19 | 8 | 5.81 | 0.96 | 0.34 | 10 | 5.30 | 0.59 | 0.19 | 3 | 5.55 | 0.26 | 0.15 |
| | 3 | 10 | 10.65 | 1.36 | 0.43 | 10 | 10.75 | 1.30 | 0.41 | 10 | 9.80 | 0.67 | 0.21 | 3 | 10.40 | 0.52 | 0.30 |
| | 4 | 10 | 15.30 | 1.23 | 0.39 | 10 | 15.35 | 1.56 | 0.49 | 10 | 15.70 | 1.38 | 0.44 | 3 | 15.45 | 0.22 | 0.13 |
| | 5 | 10 | 21.75 | 1.50 | 0.47 | 10 | 22.00 | 2.15 | 0.68 | 10 | 20.80 | 1.77 | 0.56 | 3 | 21.52 | 0.63 | 0.37 |
| | 9 | 10 | 2.30 | 0.75 | 0.24 | 10 | 3.00 | 1.18 | 0.37 | 10 | 2.80 | 1.18 | 0.37 | 3 | 2.70 | 0.36 | 0.21 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | | | |
| Baseline | 1 | 9 | 2.11 | 0.49 | 0.16 | 10 | 2.30 | 0.59 | 0.19 | 7 | 2.57 | 0.79 | 0.30 | 2.33 | 0.23 | 0.13 |
| | 2 | 10 | 5.80 | 0.95 | 0.30 | 10 | 6.40 | 0.74 | 0.23 | 9 | 5.89 | 1.08 | 0.36 | 6.03 | 0.32 | 0.19 |
| | 3 | 10 | 9.60 | 1.15 | 0.36 | 10 | 10.35 | 1.16 | 0.37 | 10 | 10.15 | 1.16 | 0.37 | 10.03 | 0.39 | 0.22 |
| | 4 | 10 | 15.40 | 1.43 | 0.45 | 10 | 15.70 | 1.38 | 0.44 | 10 | 15.55 | 1.09 | 0.35 | 15.55 | 0.15 | 0.09 |
| | 5 | 10 | 20.65 | 2.12 | 0.67 | 10 | 20.65 | 1.78 | 0.56 | 10 | 20.52 | 1.47 | 0.47 | 20.61 | 0.07 | 0.04 |
| 30-Minute | 9 | 10 | 5.60 | 6.94 | 2.19 | 10 | 9.55 | 8.96 | 2.83 | 10 | 10.55 | 7.69 | 2.43 | 8.57 | 2.62 | 1.51 |
| | 1 | 8 | 2.56 | 0.82 | 0.29 | 9 | 2.22 | 0.67 | 0.22 | 10 | 2.35 | 0.67 | 0.21 | 2.38 | 0.17 | 0.10 |
| | 2 | 9 | 5.61 | 0.65 | 0.22 | 9 | 6.00 | 1.06 | 0.35 | 10 | 5.75 | 0.89 | 0.28 | 5.79 | 0.20 | 0.11 |
| | 3 | 10 | 9.75 | 0.95 | 0.30 | 10 | 10.95 | 1.12 | 0.35 | 10 | 10.90 | 1.61 | 0.51 | 10.53 | 0.68 | 0.39 |
| | 4 | 10 | 15.65 | 1.23 | 0.39 | 10 | 15.50 | 1.37 | 0.43 | 10 | 15.30 | 1.11 | 0.35 | 15.48 | 0.18 | 0.10 |
| 90-Minute | 5 | 10 | 21.90 | 1.81 | 0.57 | 10 | 20.82 | 1.77 | 0.56 | 10 | 21.65 | 2.24 | 0.71 | 21.46 | 0.56 | 0.32 |
| | 9 | 10 | 4.25 | 4.07 | 1.29 | 10 | 4.70 | 4.08 | 1.29 | 10 | 4.20 | 5.13 | 1.62 | 4.38 | 0.28 | 0.16 |
| | 1 | 8 | 2.37 | 0.64 | 0.23 | 9 | 2.28 | 0.97 | 0.32 | 8 | 2.25 | 0.76 | 0.27 | 2.30 | 0.07 | 0.04 |
| | 2 | 9 | 5.86 | 1.04 | 0.35 | 8 | 6.25 | 0.65 | 0.23 | 10 | 6.10 | 1.10 | 0.35 | 6.07 | 0.20 | 0.11 |
| | 3 | 10 | 10.10 | 1.05 | 0.33 | 9 | 9.83 | 1.30 | 0.43 | 9 | 9.67 | 1.15 | 0.38 | 9.87 | 0.22 | 0.13 |
| 300-Minute | 4 | 10 | 15.80 | 1.16 | 0.37 | 10 | 14.75 | 1.27 | 0.40 | 10 | 15.65 | 1.11 | 0.35 | 15.40 | 0.57 | 0.33 |
| | 5 | 10 | 21.27 | 2.12 | 0.67 | 9 | 21.28 | 1.48 | 0.49 | 9 | 21.11 | 2.23 | 0.74 | 21.22 | 0.10 | 0.06 |
| | 9 | 10 | 2.85 | 1.20 | 0.38 | 10 | 3.10 | 2.26 | 0.71 | 10 | 4.55 | 5.56 | 1.76 | 3.50 | 0.92 | 0.53 |
| | 1 | 8 | 2.00 | 0.80 | 0.28 | 9 | 2.11 | 0.70 | 0.23 | 9 | 2.67 | 0.75 | 0.25 | 2.26 | 0.36 | 0.21 |
| | 2 | 9 | 5.94 | 0.98 | 0.33 | 10 | 5.95 | 0.64 | 0.20 | 9 | 6.17 | 1.03 | 0.34 | 6.02 | 0.13 | 0.07 |
| 600-Minute | 3 | 10 | 10.90 | 1.15 | 0.36 | 10 | 9.50 | 0.75 | 0.24 | 9 | 10.72 | 1.48 | 0.49 | 10.37 | 0.76 | 0.44 |
| | 4 | 9 | 15.44 | 1.38 | 0.46 | 9 | 15.39 | 1.17 | 0.39 | 9 | 15.67 | 1.56 | 0.52 | 15.50 | 0.15 | 0.08 |
| | 5 | 10 | 21.45 | 2.31 | 0.73 | 10 | 21.60 | 2.21 | 0.70 | 10 | 21.83 | 1.99 | 0.63 | 21.63 | 0.19 | 0.11 |
| | 9 | 10 | 4.50 | 7.10 | 2.25 | 10 | 2.30 | 0.89 | 0.28 | 10 | 3.25 | 1.25 | 0.40 | 3.35 | 1.10 | 0.64 |
| | 1 | 7 | 1.86 | 0.48 | 0.18 | 9 | 2.33 | 0.90 | 0.30 | 10 | 2.30 | 0.48 | 0.15 | 2.16 | 0.27 | 0.15 |
| | 2 | 7 | 6.14 | 0.80 | 0.30 | 9 | 5.78 | 0.67 | 0.22 | 10 | 6.05 | 1.07 | 0.34 | 5.99 | 0.19 | 0.11 |
| | 3 | 10 | 10.20 | 0.75 | 0.24 | 9 | 10.00 | 1.37 | 0.46 | 10 | 9.90 | 1.41 | 0.45 | 10.03 | 0.15 | 0.09 |
| | 4 | 10 | 15.90 | 1.37 | 0.43 | 9 | 15.39 | 1.41 | 0.47 | 10 | 15.25 | 1.23 | 0.39 | 15.51 | 0.34 | 0.20 |
| | 5 | 10 | 20.75 | 2.06 | 0.65 | 10 | 21.35 | 2.10 | 0.66 | 10 | 21.35 | 1.45 | 0.46 | 21.15 | 0.35 | 0.20 |
| | 9 | 10 | 3.45 | 2.35 | 0.74 | 10 | 5.05 | 6.33 | 2.00 | 10 | 2.30 | 0.48 | 0.15 | 3.60 | 1.38 | 0.80 |

PARAMETER = Peak Frequency
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | | Windows 11-20 | | | | Windows 21-30 | | | | Grand Mean | | | |
|------------|------------|--------------|-------|------|------|---------------|-------|------|------|---------------|-------|------|------|------------|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 9 | 2.11 | 0.49 | 0.16 | 10 | 2.05 | 0.64 | 0.20 | 9 | 2.44 | 0.58 | 0.19 | 3 | 2.20 | 0.21 | 0.12 |
| | 2 | 10 | 6.45 | 0.76 | 0.24 | 10 | 6.30 | 1.03 | 0.33 | 8 | 5.94 | 1.12 | 0.39 | 3 | 6.23 | 0.26 | 0.15 |
| | 3 | 10 | 10.65 | 1.33 | 0.42 | 10 | 10.90 | 1.51 | 0.48 | 10 | 10.65 | 1.42 | 0.45 | 3 | 10.73 | 0.14 | 0.08 |
| | 4 | 9 | 14.83 | 1.00 | 0.33 | 10 | 14.90 | 1.22 | 0.39 | 9 | 15.67 | 1.22 | 0.41 | 3 | 15.13 | 0.46 | 0.27 |
| | 5 | 10 | 21.00 | 1.96 | 0.62 | 10 | 21.50 | 2.04 | 0.65 | 10 | 21.75 | 1.40 | 0.44 | 3 | 21.42 | 0.38 | 0.22 |
| 30-Minute | 9 | 10 | 3.00 | 2.56 | 0.81 | 10 | 6.60 | 5.88 | 1.86 | 10 | 3.35 | 2.92 | 0.92 | 3 | 4.32 | 1.99 | 1.15 |
| | 1 | 10 | 2.45 | 0.69 | 0.22 | 10 | 2.45 | 0.69 | 0.22 | 9 | 1.78 | 0.36 | 0.12 | 3 | 2.23 | 0.39 | 0.22 |
| | 2 | 10 | 5.80 | 1.06 | 0.33 | 10 | 6.30 | 0.79 | 0.25 | 10 | 5.60 | 1.02 | 0.32 | 3 | 5.90 | 0.36 | 0.21 |
| | 3 | 10 | 10.30 | 1.38 | 0.44 | 10 | 11.00 | 0.94 | 0.30 | 9 | 10.17 | 1.44 | 0.48 | 3 | 10.49 | 0.45 | 0.26 |
| | 4 | 9 | 15.44 | 0.85 | 0.28 | 10 | 15.00 | 1.29 | 0.41 | 10 | 15.10 | 1.51 | 0.48 | 3 | 15.18 | 0.23 | 0.13 |
| 90-Minute | 5 | 10 | 20.85 | 1.51 | 0.48 | 10 | 21.30 | 1.14 | 0.36 | 10 | 21.35 | 1.51 | 0.48 | 3 | 21.17 | 0.28 | 0.16 |
| | 9 | 10 | 4.65 | 6.35 | 2.01 | 10 | 3.05 | 1.19 | 0.38 | 10 | 3.70 | 4.83 | 1.53 | 3 | 3.80 | 0.80 | 0.46 |
| | 1 | 10 | 2.10 | 0.70 | 0.22 | 10 | 2.25 | 0.82 | 0.26 | 9 | 2.56 | 0.81 | 0.27 | 3 | 2.30 | 0.23 | 0.13 |
| | 2 | 9 | 5.78 | 0.79 | 0.26 | 9 | 6.28 | 0.67 | 0.22 | 9 | 5.61 | 0.99 | 0.33 | 3 | 5.89 | 0.35 | 0.20 |
| | 3 | 10 | 10.65 | 1.27 | 0.40 | 10 | 9.85 | 1.16 | 0.37 | 9 | 9.56 | 1.33 | 0.44 | 3 | 10.02 | 0.57 | 0.33 |
| 300-Minute | 4 | 10 | 15.55 | 1.36 | 0.43 | 10 | 15.60 | 1.39 | 0.44 | 10 | 16.15 | 1.29 | 0.41 | 3 | 15.77 | 0.33 | 0.19 |
| | 5 | 10 | 21.25 | 2.10 | 0.66 | 10 | 21.25 | 1.55 | 0.49 | 10 | 21.35 | 1.70 | 0.54 | 3 | 21.28 | 0.06 | 0.03 |
| | 9 | 10 | 2.10 | 0.70 | 0.22 | 10 | 2.85 | 1.68 | 0.53 | 10 | 3.40 | 1.81 | 0.57 | 3 | 2.78 | 0.65 | 0.38 |
| | 1 | 10 | 1.80 | 0.35 | 0.11 | 9 | 1.94 | 0.53 | 0.18 | 8 | 2.00 | 0.60 | 0.21 | 3 | 1.91 | 0.10 | 0.06 |
| | 2 | 10 | 6.05 | 0.90 | 0.28 | 9 | 5.89 | 0.99 | 0.33 | 10 | 5.25 | 0.63 | 0.20 | 3 | 5.73 | 0.42 | 0.24 |
| 600-Minute | 3 | 10 | 10.15 | 1.27 | 0.40 | 10 | 10.75 | 1.23 | 0.39 | 9 | 10.78 | 1.30 | 0.43 | 3 | 10.56 | 0.35 | 0.20 |
| | 4 | 10 | 15.20 | 1.03 | 0.33 | 10 | 15.25 | 0.82 | 0.26 | 9 | 15.67 | 1.35 | 0.45 | 3 | 15.37 | 0.26 | 0.15 |
| | 5 | 10 | 21.35 | 1.20 | 0.38 | 10 | 21.20 | 2.00 | 0.63 | 10 | 21.90 | 1.87 | 0.59 | 3 | 21.48 | 0.37 | 0.21 |
| | 9 | 10 | 4.15 | 6.49 | 2.05 | 10 | 2.55 | 1.38 | 0.44 | 10 | 3.50 | 2.55 | 0.81 | 3 | 3.40 | 0.80 | 0.46 |
| | 1 | 9 | 1.61 | 0.22 | 0.07 | 7 | 2.00 | 0.87 | 0.33 | 9 | 2.28 | 0.67 | 0.22 | 3 | 1.96 | 0.33 | 0.19 |
| 600-Minute | 2 | 9 | 5.67 | 0.66 | 0.22 | 8 | 5.87 | 1.06 | 0.38 | 9 | 5.50 | 0.66 | 0.22 | 3 | 5.68 | 0.19 | 0.11 |
| | 3 | 10 | 10.05 | 1.32 | 0.42 | 9 | 10.06 | 1.31 | 0.44 | 10 | 10.25 | 1.11 | 0.35 | 3 | 10.12 | 0.11 | 0.07 |
| | 4 | 10 | 16.05 | 1.17 | 0.37 | 10 | 16.05 | 1.55 | 0.49 | 10 | 16.20 | 1.23 | 0.39 | 3 | 16.10 | 0.09 | 0.05 |
| | 5 | 10 | 21.15 | 1.58 | 0.50 | 10 | 21.35 | 1.16 | 0.37 | 10 | 21.50 | 1.35 | 0.43 | 3 | 21.33 | 0.18 | 0.10 |
| | 9 | 10 | 4.20 | 6.61 | 2.09 | 10 | 4.25 | 5.36 | 1.69 | 10 | 6.70 | 7.85 | 2.48 | 3 | 5.05 | 1.43 | 0.83 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 2.19 | 0.23 | 0.07 | 10 | 2.15 | 0.23 | 0.07 | 10 | 2.04 | 0.30 | 0.10 | 3 | 2.12 | 0.08 | 0.05 |
| | 2 | 10 | 5.48 | 0.36 | 0.11 | 10 | 5.52 | 0.31 | 0.10 | 10 | 5.52 | 0.39 | 0.12 | 3 | 5.51 | 0.03 | 0.01 |
| | 3 | 10 | 10.06 | 0.34 | 0.11 | 10 | 10.21 | 0.29 | 0.09 | 10 | 10.16 | 0.48 | 0.15 | 3 | 10.14 | 0.08 | 0.04 |
| | 4 | 10 | 15.29 | 0.60 | 0.19 | 10 | 14.99 | 0.52 | 0.17 | 10 | 14.73 | 0.58 | 0.18 | 3 | 15.00 | 0.28 | 0.16 |
| | 5 | 10 | 21.34 | 0.60 | 0.19 | 10 | 21.42 | 0.56 | 0.18 | 10 | 21.58 | 0.46 | 0.14 | 3 | 21.44 | 0.12 | 0.07 |
| 30-Minute | 9 | 10 | 8.46 | 1.22 | 0.39 | 10 | 10.30 | 1.97 | 0.62 | 10 | 8.51 | 2.23 | 0.70 | 3 | 9.09 | 1.05 | 0.61 |
| | 1 | 10 | 2.11 | 0.16 | 0.05 | 10 | 2.19 | 0.28 | 0.09 | 10 | 2.09 | 0.20 | 0.06 | 3 | 2.13 | 0.05 | 0.03 |
| | 2 | 10 | 5.55 | 0.30 | 0.10 | 10 | 5.21 | 0.59 | 0.19 | 10 | 5.64 | 0.40 | 0.12 | 3 | 5.47 | 0.23 | 0.13 |
| | 3 | 10 | 9.85 | 0.45 | 0.14 | 10 | 10.12 | 0.55 | 0.18 | 10 | 10.04 | 0.77 | 0.25 | 3 | 10.00 | 0.14 | 0.08 |
| | 4 | 10 | 15.35 | 0.26 | 0.08 | 10 | 15.24 | 0.43 | 0.14 | 10 | 15.24 | 0.45 | 0.14 | 3 | 15.28 | 0.06 | 0.04 |
| 90-Minute | 5 | 10 | 20.86 | 0.35 | 0.11 | 10 | 21.05 | 0.47 | 0.15 | 10 | 20.88 | 0.59 | 0.19 | 3 | 20.93 | 0.11 | 0.06 |
| | 9 | 10 | 7.33 | 0.98 | 0.31 | 10 | 7.73 | 1.18 | 0.37 | 10 | 7.80 | 1.41 | 0.45 | 3 | 7.62 | 0.25 | 0.15 |
| | 1 | 10 | 1.97 | 0.18 | 0.06 | 10 | 2.19 | 0.27 | 0.09 | 10 | 2.15 | 0.33 | 0.11 | 3 | 2.10 | 0.12 | 0.07 |
| | 2 | 10 | 5.41 | 0.26 | 0.08 | 10 | 5.54 | 0.20 | 0.06 | 10 | 5.20 | 0.21 | 0.07 | 3 | 5.38 | 0.17 | 0.10 |
| | 3 | 10 | 9.87 | 0.35 | 0.11 | 10 | 10.02 | 0.37 | 0.12 | 10 | 9.75 | 0.34 | 0.11 | 3 | 9.88 | 0.13 | 0.08 |
| 300-Minute | 4 | 10 | 15.33 | 0.48 | 0.15 | 10 | 15.48 | 0.41 | 0.13 | 10 | 15.06 | 0.54 | 0.17 | 3 | 15.29 | 0.22 | 0.12 |
| | 5 | 10 | 20.93 | 0.55 | 0.17 | 10 | 20.71 | 0.42 | 0.13 | 10 | 20.97 | 0.54 | 0.17 | 3 | 20.87 | 0.14 | 0.08 |
| | 9 | 10 | 6.70 | 1.08 | 0.34 | 10 | 6.71 | 0.98 | 0.31 | 10 | 5.58 | 0.93 | 0.29 | 3 | 6.33 | 0.65 | 0.38 |
| | 1 | 10 | 2.09 | 0.23 | 0.07 | 10 | 2.20 | 0.27 | 0.08 | 10 | 2.16 | 0.15 | 0.05 | 3 | 2.15 | 0.06 | 0.03 |
| | 2 | 10 | 5.58 | 0.30 | 0.09 | 10 | 5.36 | 0.41 | 0.13 | 10 | 5.41 | 0.41 | 0.13 | 3 | 5.45 | 0.12 | 0.07 |
| 600-Minute | 3 | 10 | 9.75 | 0.33 | 0.10 | 10 | 9.93 | 0.54 | 0.17 | 10 | 9.83 | 0.37 | 0.12 | 3 | 9.84 | 0.09 | 0.05 |
| | 4 | 10 | 15.55 | 0.48 | 0.15 | 10 | 15.02 | 0.34 | 0.11 | 10 | 15.55 | 0.47 | 0.15 | 3 | 15.38 | 0.31 | 0.18 |
| | 5 | 10 | 21.40 | 0.67 | 0.21 | 10 | 20.93 | 0.61 | 0.19 | 10 | 21.36 | 0.37 | 0.12 | 3 | 21.23 | 0.26 | 0.15 |
| | 9 | 10 | 7.39 | 1.64 | 0.52 | 10 | 6.61 | 1.02 | 0.32 | 10 | 7.56 | 1.43 | 0.45 | 3 | 7.18 | 0.50 | 0.29 |
| | 1 | 10 | 1.96 | 0.22 | 0.07 | 10 | 2.16 | 0.19 | 0.06 | 10 | 1.92 | 0.31 | 0.10 | 3 | 2.01 | 0.13 | 0.07 |
| | 2 | 10 | 5.65 | 0.33 | 0.10 | 10 | 5.26 | 0.30 | 0.09 | 10 | 5.63 | 0.29 | 0.09 | 3 | 5.51 | 0.22 | 0.13 |
| | 3 | 10 | 9.91 | 0.41 | 0.13 | 10 | 10.11 | 0.51 | 0.16 | 10 | 9.89 | 0.33 | 0.10 | 3 | 9.97 | 0.12 | 0.07 |
| | 4 | 10 | 15.20 | 0.34 | 0.11 | 10 | 15.17 | 0.40 | 0.13 | 10 | 15.52 | 0.52 | 0.16 | 3 | 15.30 | 0.20 | 0.11 |
| | 5 | 10 | 21.09 | 0.43 | 0.14 | 10 | 21.24 | 0.50 | 0.16 | 10 | 21.37 | 0.30 | 0.09 | 3 | 21.23 | 0.14 | 0.08 |
| | 9 | 10 | 7.31 | 1.42 | 0.45 | 10 | 7.15 | 0.81 | 0.26 | 10 | 7.81 | 1.20 | 0.38 | 3 | 7.43 | 0.34 | 0.20 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | | | | |
| Baseline | 1 | 10 | 2.23 | 0.17 | 0.06 | 10 | 2.16 | 0.26 | 0.08 | 10 | 2.17 | 0.20 | 0.06 | 3 | 2.19 | 0.04 | 0.02 |
| | 2 | 10 | 5.51 | 0.27 | 0.09 | 10 | 5.62 | 0.25 | 0.08 | 10 | 5.57 | 0.44 | 0.14 | 3 | 5.57 | 0.06 | 0.03 |
| | 3 | 10 | 10.14 | 0.39 | 0.12 | 10 | 10.19 | 0.30 | 0.09 | 10 | 10.21 | 0.44 | 0.14 | 3 | 10.18 | 0.04 | 0.02 |
| | 4 | 10 | 15.06 | 0.47 | 0.15 | 10 | 14.97 | 0.26 | 0.08 | 10 | 15.00 | 0.48 | 0.15 | 3 | 15.01 | 0.04 | 0.03 |
| | 5 | 10 | 21.11 | 0.52 | 0.16 | 10 | 20.96 | 0.38 | 0.12 | 10 | 21.12 | 0.32 | 0.10 | 3 | 21.06 | 0.09 | 0.05 |
| 30-Minute | 9 | 10 | 8.12 | 1.14 | 0.36 | 10 | 9.48 | 1.56 | 0.49 | 10 | 9.02 | 2.03 | 0.64 | 3 | 8.87 | 0.69 | 0.40 |
| | 1 | 10 | 2.17 | 0.18 | 0.06 | 10 | 2.10 | 0.28 | 0.09 | 10 | 2.14 | 0.20 | 0.06 | 3 | 2.14 | 0.03 | 0.02 |
| | 2 | 10 | 5.39 | 0.37 | 0.12 | 10 | 5.24 | 0.74 | 0.23 | 10 | 5.72 | 0.31 | 0.10 | 3 | 5.45 | 0.24 | 0.14 |
| | 3 | 10 | 9.94 | 0.29 | 0.09 | 10 | 10.19 | 0.54 | 0.17 | 10 | 10.01 | 0.77 | 0.24 | 3 | 10.05 | 0.12 | 0.07 |
| | 4 | 10 | 15.28 | 0.41 | 0.13 | 10 | 15.32 | 0.42 | 0.13 | 10 | 15.25 | 0.40 | 0.13 | 3 | 15.28 | 0.04 | 0.02 |
| 90-Minute | 5 | 10 | 20.73 | 0.35 | 0.11 | 10 | 21.06 | 0.67 | 0.21 | 10 | 20.98 | 0.64 | 0.20 | 3 | 20.92 | 0.17 | 0.10 |
| | 9 | 10 | 7.02 | 1.18 | 0.37 | 10 | 6.86 | 1.31 | 0.41 | 10 | 7.85 | 1.49 | 0.47 | 3 | 7.24 | 0.53 | 0.31 |
| | 1 | 10 | 2.12 | 0.22 | 0.07 | 10 | 2.20 | 0.17 | 0.05 | 10 | 2.22 | 0.21 | 0.07 | 3 | 2.18 | 0.05 | 0.03 |
| | 2 | 10 | 5.36 | 0.31 | 0.10 | 10 | 5.44 | 0.32 | 0.10 | 10 | 5.26 | 0.29 | 0.09 | 3 | 5.36 | 0.09 | 0.05 |
| | 3 | 10 | 9.92 | 0.26 | 0.08 | 10 | 10.13 | 0.25 | 0.08 | 10 | 10.09 | 0.27 | 0.08 | 3 | 10.05 | 0.11 | 0.06 |
| 300-Minute | 4 | 10 | 15.15 | 0.33 | 0.10 | 10 | 15.20 | 0.34 | 0.11 | 10 | 15.15 | 0.53 | 0.17 | 3 | 15.16 | 0.03 | 0.02 |
| | 5 | 10 | 20.82 | 0.41 | 0.13 | 10 | 20.74 | 0.50 | 0.16 | 10 | 20.87 | 0.48 | 0.15 | 3 | 20.81 | 0.07 | 0.04 |
| | 9 | 10 | 5.71 | 0.91 | 0.29 | 10 | 5.84 | 1.27 | 0.40 | 10 | 5.87 | 1.13 | 0.36 | 3 | 5.80 | 0.09 | 0.05 |
| | 1 | 10 | 2.12 | 0.25 | 0.08 | 10 | 2.24 | 0.14 | 0.05 | 10 | 2.10 | 0.27 | 0.08 | 3 | 2.15 | 0.07 | 0.04 |
| | 2 | 10 | 5.38 | 0.34 | 0.11 | 10 | 5.36 | 0.39 | 0.12 | 10 | 5.44 | 0.35 | 0.11 | 3 | 5.40 | 0.04 | 0.02 |
| 600-Minute | 3 | 10 | 9.89 | 0.39 | 0.12 | 10 | 9.94 | 0.46 | 0.15 | 10 | 9.75 | 0.34 | 0.11 | 3 | 9.86 | 0.10 | 0.06 |
| | 4 | 10 | 15.10 | 0.43 | 0.13 | 10 | 14.98 | 0.24 | 0.08 | 10 | 15.13 | 0.44 | 0.14 | 3 | 15.07 | 0.08 | 0.05 |
| | 5 | 10 | 21.44 | 0.58 | 0.18 | 10 | 20.99 | 0.77 | 0.24 | 10 | 21.26 | 0.23 | 0.07 | 3 | 21.23 | 0.22 | 0.13 |
| | 9 | 10 | 5.52 | 0.93 | 0.29 | 10 | 5.73 | 0.85 | 0.27 | 10 | 5.66 | 0.76 | 0.24 | 3 | 5.63 | 0.10 | 0.06 |
| | 1 | 10 | 2.01 | 0.13 | 0.04 | 10 | 2.15 | 0.24 | 0.08 | 10 | 2.08 | 0.30 | 0.09 | 3 | 2.08 | 0.07 | 0.04 |
| | 2 | 10 | 5.51 | 0.16 | 0.05 | 10 | 5.34 | 0.24 | 0.08 | 10 | 5.51 | 0.22 | 0.07 | 3 | 5.45 | 0.10 | 0.06 |
| | 3 | 10 | 10.00 | 0.36 | 0.11 | 10 | 9.97 | 0.46 | 0.15 | 10 | 9.84 | 0.31 | 0.10 | 3 | 9.93 | 0.09 | 0.05 |
| | 4 | 10 | 15.08 | 0.50 | 0.16 | 10 | 15.08 | 0.27 | 0.09 | 10 | 15.35 | 0.38 | 0.12 | 3 | 15.17 | 0.16 | 0.09 |
| | 5 | 10 | 21.28 | 0.42 | 0.13 | 10 | 21.19 | 0.67 | 0.21 | 10 | 21.21 | 0.29 | 0.09 | 3 | 21.23 | 0.05 | 0.03 |
| | 9 | 10 | 5.09 | 0.91 | 0.29 | 10 | 5.70 | 0.81 | 0.26 | 10 | 6.34 | 0.78 | 0.25 | 3 | 5.71 | 0.63 | 0.36 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | |
| Baseline | 1 | 10 | 2.10 | 0.27 | 0.08 | 10 | 2.08 | 0.23 | 0.07 | 10 | 1.92 | 0.49 | 0.15 | 0.05 |
| | 2 | 10 | 5.74 | 0.41 | 0.13 | 10 | 5.69 | 0.39 | 0.12 | 10 | 5.58 | 0.43 | 0.14 | 0.05 |
| | 3 | 10 | 9.96 | 0.31 | 0.10 | 10 | 10.30 | 0.31 | 0.10 | 10 | 10.31 | 0.36 | 0.11 | 0.11 |
| | 4 | 10 | 14.99 | 0.29 | 0.09 | 10 | 15.19 | 0.40 | 0.13 | 10 | 15.15 | 0.32 | 0.10 | 0.06 |
| | 5 | 10 | 20.88 | 0.38 | 0.12 | 10 | 20.91 | 0.58 | 0.18 | 10 | 21.08 | 0.52 | 0.16 | 0.06 |
| 30-Minute | 9 | 10 | 9.52 | 1.13 | 0.36 | 10 | 10.94 | 2.18 | 0.69 | 10 | 9.93 | 2.17 | 0.69 | 0.42 |
| | 1 | 10 | 1.91 | 0.23 | 0.07 | 10 | 2.17 | 0.20 | 0.06 | 10 | 2.03 | 0.16 | 0.05 | 0.07 |
| | 2 | 10 | 5.55 | 0.37 | 0.12 | 10 | 5.36 | 0.68 | 0.22 | 10 | 5.57 | 0.25 | 0.08 | 0.07 |
| | 3 | 10 | 9.93 | 0.42 | 0.13 | 10 | 10.09 | 0.48 | 0.15 | 10 | 10.25 | 0.61 | 0.19 | 0.09 |
| | 4 | 10 | 15.03 | 0.42 | 0.13 | 10 | 15.10 | 0.34 | 0.11 | 10 | 15.22 | 0.38 | 0.12 | 0.06 |
| 90-Minute | 5 | 10 | 21.22 | 0.44 | 0.14 | 10 | 20.96 | 0.54 | 0.17 | 10 | 20.94 | 0.80 | 0.25 | 0.09 |
| | 9 | 10 | 7.18 | 2.01 | 0.64 | 10 | 10.05 | 1.60 | 0.51 | 10 | 7.61 | 1.77 | 0.56 | 0.89 |
| | 1 | 10 | 2.03 | 0.25 | 0.08 | 10 | 1.99 | 0.26 | 0.08 | 10 | 1.89 | 0.24 | 0.08 | 0.04 |
| | 2 | 10 | 5.52 | 0.33 | 0.11 | 10 | 5.40 | 0.35 | 0.11 | 10 | 5.48 | 0.38 | 0.12 | 0.04 |
| | 3 | 10 | 9.85 | 0.34 | 0.11 | 10 | 9.86 | 0.39 | 0.12 | 10 | 9.99 | 0.38 | 0.12 | 0.04 |
| 300-Minute | 4 | 10 | 15.09 | 0.41 | 0.13 | 10 | 15.03 | 0.47 | 0.15 | 10 | 15.11 | 0.34 | 0.11 | 0.02 |
| | 5 | 10 | 21.24 | 0.58 | 0.18 | 10 | 20.63 | 0.53 | 0.17 | 10 | 21.01 | 0.46 | 0.14 | 0.18 |
| | 9 | 10 | 6.70 | 1.30 | 0.41 | 10 | 5.35 | 1.50 | 0.47 | 10 | 6.40 | 2.73 | 0.86 | 0.41 |
| | 1 | 10 | 1.96 | 0.24 | 0.07 | 10 | 2.08 | 0.17 | 0.05 | 10 | 1.98 | 0.33 | 0.10 | 0.04 |
| | 2 | 10 | 5.42 | 0.19 | 0.06 | 10 | 5.47 | 0.32 | 0.10 | 10 | 5.44 | 0.32 | 0.10 | 0.02 |
| 600-Minute | 3 | 10 | 9.85 | 0.49 | 0.15 | 10 | 9.89 | 0.31 | 0.10 | 10 | 10.11 | 0.67 | 0.21 | 0.08 |
| | 4 | 10 | 14.95 | 0.34 | 0.11 | 10 | 15.25 | 0.32 | 0.10 | 10 | 15.10 | 0.44 | 0.14 | 0.09 |
| | 5 | 10 | 20.96 | 0.48 | 0.15 | 10 | 21.07 | 0.54 | 0.17 | 10 | 21.04 | 0.78 | 0.25 | 0.03 |
| | 9 | 10 | 6.22 | 2.61 | 0.83 | 10 | 5.38 | 1.15 | 0.36 | 10 | 5.68 | 1.65 | 0.52 | 0.24 |
| | 1 | 10 | 1.94 | 0.17 | 0.05 | 10 | 1.87 | 0.29 | 0.09 | 10 | 2.18 | 0.19 | 0.06 | 0.09 |
| | 2 | 10 | 5.53 | 0.27 | 0.09 | 10 | 5.47 | 0.36 | 0.12 | 10 | 5.63 | 0.33 | 0.11 | 0.05 |
| | 3 | 10 | 9.99 | 0.36 | 0.11 | 10 | 9.81 | 0.48 | 0.15 | 10 | 9.83 | 0.37 | 0.12 | 0.06 |
| | 4 | 10 | 15.06 | 0.61 | 0.19 | 10 | 15.17 | 0.45 | 0.14 | 10 | 15.25 | 0.26 | 0.08 | 0.05 |
| | 5 | 10 | 20.77 | 0.33 | 0.10 | 10 | 20.94 | 0.57 | 0.18 | 10 | 20.88 | 0.42 | 0.13 | 0.05 |
| | 9 | 10 | 5.92 | 1.30 | 0.41 | 10 | 6.50 | 2.56 | 0.81 | 10 | 8.25 | 1.75 | 0.55 | 0.70 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 2.15 | 0.23 | 0.07 | 10 | 2.09 | 0.21 | 0.07 | 10 | 2.02 | 0.22 | 0.07 |
| | 2 | 10 | 5.69 | 0.44 | 0.14 | 10 | 5.67 | 0.30 | 0.09 | 10 | 5.41 | 0.32 | 0.10 |
| | 3 | 10 | 10.22 | 0.43 | 0.14 | 10 | 10.41 | 0.34 | 0.11 | 10 | 10.21 | 0.52 | 0.16 |
| | 4 | 10 | 14.87 | 0.23 | 0.07 | 10 | 14.72 | 0.41 | 0.13 | 10 | 14.94 | 0.46 | 0.15 |
| | 5 | 10 | 20.87 | 0.36 | 0.11 | 10 | 21.35 | 0.46 | 0.15 | 10 | 21.30 | 0.77 | 0.24 |
| 30-Minute | 9 | 10 | 8.03 | 1.52 | 0.48 | 10 | 9.03 | 2.85 | 0.90 | 10 | 7.27 | 1.28 | 0.41 |
| | 1 | 10 | 2.06 | 0.28 | 0.09 | 10 | 2.32 | 0.28 | 0.09 | 10 | 2.06 | 0.12 | 0.04 |
| | 2 | 10 | 5.53 | 0.37 | 0.12 | 10 | 5.37 | 0.55 | 0.17 | 10 | 5.45 | 0.40 | 0.13 |
| | 3 | 10 | 10.08 | 0.28 | 0.09 | 10 | 10.08 | 0.37 | 0.12 | 10 | 10.11 | 0.42 | 0.13 |
| | 4 | 10 | 15.24 | 0.24 | 0.08 | 10 | 15.24 | 0.39 | 0.12 | 10 | 15.05 | 0.50 | 0.16 |
| 90-Minute | 5 | 10 | 20.80 | 0.57 | 0.18 | 10 | 21.17 | 0.31 | 0.10 | 10 | 20.89 | 0.41 | 0.13 |
| | 9 | 10 | 7.18 | 1.54 | 0.49 | 10 | 8.11 | 0.84 | 0.26 | 10 | 6.57 | 1.98 | 0.62 |
| | 1 | 10 | 2.11 | 0.28 | 0.09 | 10 | 2.14 | 0.26 | 0.08 | 10 | 2.02 | 0.25 | 0.08 |
| | 2 | 10 | 5.50 | 0.39 | 0.12 | 10 | 5.48 | 0.45 | 0.14 | 10 | 5.40 | 0.37 | 0.12 |
| | 3 | 10 | 9.91 | 0.50 | 0.16 | 10 | 10.03 | 0.46 | 0.15 | 10 | 9.93 | 0.38 | 0.12 |
| 300-Minute | 4 | 10 | 15.38 | 0.34 | 0.11 | 10 | 15.16 | 0.27 | 0.09 | 10 | 15.00 | 0.45 | 0.14 |
| | 5 | 10 | 21.07 | 0.39 | 0.12 | 10 | 20.73 | 0.38 | 0.12 | 10 | 20.78 | 0.33 | 0.11 |
| | 9 | 10 | 7.31 | 1.45 | 0.46 | 10 | 6.16 | 1.30 | 0.41 | 10 | 5.43 | 0.87 | 0.28 |
| | 1 | 10 | 2.10 | 0.16 | 0.05 | 10 | 2.11 | 0.20 | 0.06 | 10 | 2.01 | 0.30 | 0.09 |
| | 2 | 10 | 5.44 | 0.23 | 0.07 | 10 | 5.55 | 0.33 | 0.11 | 10 | 5.46 | 0.28 | 0.09 |
| 600-Minute | 3 | 10 | 9.97 | 0.31 | 0.10 | 10 | 9.80 | 0.45 | 0.14 | 10 | 10.01 | 0.49 | 0.15 |
| | 4 | 10 | 15.26 | 0.38 | 0.12 | 10 | 15.21 | 0.26 | 0.08 | 10 | 15.20 | 0.46 | 0.15 |
| | 5 | 10 | 21.37 | 0.43 | 0.14 | 10 | 20.99 | 0.51 | 0.16 | 10 | 21.38 | 0.41 | 0.13 |
| | 9 | 10 | 7.75 | 1.67 | 0.53 | 10 | 6.71 | 1.25 | 0.39 | 10 | 7.17 | 2.17 | 0.69 |
| | 1 | 10 | 1.87 | 0.26 | 0.08 | 10 | 1.91 | 0.25 | 0.08 | 10 | 2.03 | 0.22 | 0.07 |
| | 2 | 10 | 5.50 | 0.38 | 0.12 | 10 | 5.36 | 0.24 | 0.08 | 10 | 5.44 | 0.21 | 0.07 |
| | 3 | 10 | 9.84 | 0.43 | 0.14 | 10 | 9.82 | 0.35 | 0.11 | 10 | 9.88 | 0.21 | 0.07 |
| | 4 | 10 | 15.19 | 0.26 | 0.08 | 10 | 15.37 | 0.39 | 0.12 | 10 | 15.37 | 0.31 | 0.10 |
| | 5 | 10 | 21.17 | 0.45 | 0.14 | 10 | 21.16 | 0.33 | 0.10 | 10 | 21.24 | 0.45 | 0.14 |
| | 9 | 10 | 7.16 | 2.12 | 0.67 | 10 | 7.33 | 1.65 | 0.52 | 10 | 7.40 | 1.85 | 0.58 |
| | 1 | 10 | 2.09 | 0.07 | 0.04 | 3 | 2.09 | 0.07 | 0.04 | 3 | 2.09 | 0.07 | 0.04 |
| | 2 | 10 | 5.59 | 0.15 | 0.09 | 3 | 5.59 | 0.15 | 0.09 | 3 | 5.59 | 0.15 | 0.09 |
| | 3 | 10 | 10.28 | 0.11 | 0.06 | 3 | 10.28 | 0.11 | 0.06 | 3 | 10.28 | 0.11 | 0.06 |
| | 4 | 10 | 14.84 | 0.11 | 0.06 | 3 | 14.84 | 0.11 | 0.06 | 3 | 14.84 | 0.11 | 0.06 |
| | 5 | 10 | 21.18 | 0.26 | 0.15 | 3 | 21.18 | 0.26 | 0.15 | 3 | 21.18 | 0.26 | 0.15 |
| | 9 | 10 | 8.11 | 0.88 | 0.51 | 3 | 8.11 | 0.88 | 0.51 | 3 | 8.11 | 0.88 | 0.51 |
| | 1 | 10 | 2.15 | 0.15 | 0.09 | 3 | 2.15 | 0.15 | 0.09 | 3 | 2.15 | 0.15 | 0.09 |
| | 2 | 10 | 5.45 | 0.08 | 0.05 | 3 | 5.45 | 0.08 | 0.05 | 3 | 5.45 | 0.08 | 0.05 |
| | 3 | 10 | 10.09 | 0.01 | 0.01 | 3 | 10.09 | 0.01 | 0.01 | 3 | 10.09 | 0.01 | 0.01 |
| | 4 | 10 | 15.17 | 0.11 | 0.06 | 3 | 15.17 | 0.11 | 0.06 | 3 | 15.17 | 0.11 | 0.06 |
| | 5 | 10 | 20.95 | 0.19 | 0.11 | 3 | 20.95 | 0.19 | 0.11 | 3 | 20.95 | 0.19 | 0.11 |
| | 9 | 10 | 7.29 | 0.77 | 0.45 | 3 | 7.29 | 0.77 | 0.45 | 3 | 7.29 | 0.77 | 0.45 |
| | 1 | 10 | 2.09 | 0.06 | 0.04 | 3 | 2.09 | 0.06 | 0.04 | 3 | 2.09 | 0.06 | 0.04 |
| | 2 | 10 | 5.46 | 0.05 | 0.03 | 3 | 5.46 | 0.05 | 0.03 | 3 | 5.46 | 0.05 | 0.03 |
| | 3 | 10 | 9.96 | 0.06 | 0.04 | 3 | 9.96 | 0.06 | 0.04 | 3 | 9.96 | 0.06 | 0.04 |
| | 4 | 10 | 15.18 | 0.19 | 0.11 | 3 | 15.18 | 0.19 | 0.11 | 3 | 15.18 | 0.19 | 0.11 |
| | 5 | 10 | 20.86 | 0.18 | 0.11 | 3 | 20.86 | 0.18 | 0.11 | 3 | 20.86 | 0.18 | 0.11 |
| | 9 | 10 | 6.30 | 0.95 | 0.55 | 3 | 6.30 | 0.95 | 0.55 | 3 | 6.30 | 0.95 | 0.55 |
| | 1 | 10 | 2.08 | 0.05 | 0.03 | 3 | 2.08 | 0.05 | 0.03 | 3 | 2.08 | 0.05 | 0.03 |
| | 2 | 10 | 5.48 | 0.06 | 0.03 | 3 | 5.48 | 0.06 | 0.03 | 3 | 5.48 | 0.06 | 0.03 |
| | 3 | 10 | 9.93 | 0.11 | 0.06 | 3 | 9.93 | 0.11 | 0.06 | 3 | 9.93 | 0.11 | 0.06 |
| | 4 | 10 | 15.22 | 0.04 | 0.02 | 3 | 15.22 | 0.04 | 0.02 | 3 | 15.22 | 0.04 | 0.02 |
| | 5 | 10 | 21.25 | 0.22 | 0.13 | 3 | 21.25 | 0.22 | 0.13 | 3 | 21.25 | 0.22 | 0.13 |
| | 9 | 10 | 7.21 | 0.52 | 0.30 | 3 | 7.21 | 0.52 | 0.30 | 3 | 7.21 | 0.52 | 0.30 |
| | 1 | 10 | 1.94 | 0.08 | 0.05 | 3 | 1.94 | 0.08 | 0.05 | 3 | 1.94 | 0.08 | 0.05 |
| | 2 | 10 | 5.43 | 0.07 | 0.04 | 3 | 5.43 | 0.07 | 0.04 | 3 | 5.43 | 0.07 | 0.04 |
| | 3 | 10 | 9.85 | 0.03 | 0.02 | 3 | 9.85 | 0.03 | 0.02 | 3 | 9.85 | 0.03 | 0.02 |
| | 4 | 10 | 15.31 | 0.10 | 0.06 | 3 | 15.31 | 0.10 | 0.06 | 3 | 15.31 | 0.10 | 0.06 |
| | 5 | 10 | 21.19 | 0.04 | 0.02 | 3 | 21.19 | 0.04 | 0.02 | 3 | 21.19 | 0.04 | 0.02 |
| | 9 | 10 | 7.30 | 0.13 | 0.07 | 3 | 7.30 | 0.13 | 0.07 | 3 | 7.30 | 0.13 | 0.07 |

PARAMETER = Percent Power
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | | | Windows 11-20 | | | | | Windows 21-30 | | | | | Grand Mean | | |
|------------|------------|--------------|-------|-------|------|----|---------------|-------|------|----|-------|---------------|------|---|-------|------|------------|--|--|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | |
| Baseline | 1 | 10 | 33.18 | 11.42 | 3.61 | 10 | 26.07 | 9.34 | 2.95 | 10 | 38.69 | 16.77 | 5.30 | 3 | 32.65 | 6.33 | 3.65 | | |
| | 2 | 10 | 21.80 | 5.82 | 1.84 | 10 | 16.91 | 5.15 | 1.63 | 10 | 17.93 | 7.90 | 2.50 | 3 | 18.88 | 2.58 | 1.49 | | |
| | 3 | 10 | 20.34 | 8.82 | 2.79 | 10 | 23.62 | 6.01 | 1.90 | 10 | 16.45 | 6.37 | 2.02 | 3 | 20.14 | 3.58 | 2.07 | | |
| | 4 | 10 | 10.94 | 4.29 | 1.36 | 10 | 11.70 | 5.03 | 1.59 | 10 | 10.98 | 3.83 | 1.21 | 3 | 11.21 | 0.43 | 0.25 | | |
| | 5 | 10 | 13.29 | 4.65 | 1.47 | 10 | 21.71 | 9.07 | 2.87 | 10 | 15.94 | 10.29 | 3.25 | 3 | 16.98 | 4.30 | 2.48 | | |
| 30-Minute | 1 | 10 | 49.09 | 8.49 | 2.68 | 10 | 44.71 | 11.74 | 3.71 | 10 | 41.86 | 13.41 | 4.24 | 3 | 45.22 | 3.64 | 2.10 | | |
| | 2 | 10 | 19.27 | 6.38 | 2.02 | 10 | 25.10 | 16.87 | 5.33 | 10 | 18.24 | 6.70 | 2.12 | 3 | 20.87 | 3.70 | 2.14 | | |
| | 3 | 10 | 9.04 | 4.00 | 1.27 | 10 | 9.14 | 2.70 | 0.85 | 10 | 18.04 | 14.61 | 4.62 | 3 | 12.07 | 5.17 | 2.98 | | |
| | 4 | 10 | 6.90 | 1.94 | 0.61 | 10 | 7.37 | 3.15 | 1.00 | 10 | 9.96 | 4.44 | 1.40 | 3 | 8.08 | 1.65 | 0.95 | | |
| | 5 | 10 | 15.69 | 3.66 | 1.16 | 10 | 16.82 | 5.42 | 1.72 | 10 | 11.91 | 2.72 | 0.86 | 3 | 14.81 | 2.57 | 1.48 | | |
| 90-Minute | 1 | 10 | 47.65 | 8.94 | 2.83 | 10 | 47.42 | 10.44 | 3.30 | 10 | 52.50 | 8.44 | 2.67 | 3 | 49.19 | 2.87 | 1.66 | | |
| | 2 | 10 | 23.83 | 9.11 | 2.88 | 10 | 23.55 | 7.98 | 2.52 | 10 | 24.74 | 7.58 | 2.40 | 3 | 24.04 | 0.62 | 0.36 | | |
| | 3 | 10 | 9.62 | 4.36 | 1.38 | 10 | 12.29 | 4.29 | 1.36 | 10 | 11.15 | 3.35 | 1.06 | 3 | 11.02 | 1.34 | 0.78 | | |
| | 4 | 10 | 7.53 | 2.81 | 0.89 | 10 | 6.41 | 2.33 | 0.74 | 10 | 5.49 | 2.49 | 0.79 | 3 | 6.48 | 1.02 | 0.59 | | |
| | 5 | 10 | 11.37 | 4.94 | 1.56 | 10 | 10.32 | 4.33 | 1.37 | 10 | 6.11 | 2.84 | 0.90 | 3 | 9.27 | 2.78 | 1.61 | | |
| 300-Minute | 1 | 10 | 50.33 | 7.93 | 2.51 | 10 | 45.29 | 9.02 | 2.85 | 10 | 42.25 | 11.47 | 3.63 | 3 | 45.96 | 4.08 | 2.36 | | |
| | 2 | 10 | 16.49 | 4.63 | 1.47 | 10 | 27.82 | 7.39 | 2.34 | 10 | 24.74 | 7.85 | 2.48 | 3 | 23.02 | 5.86 | 3.38 | | |
| | 3 | 10 | 11.03 | 5.20 | 1.65 | 10 | 10.15 | 2.62 | 0.83 | 10 | 11.20 | 4.29 | 1.36 | 3 | 10.79 | 0.56 | 0.33 | | |
| | 4 | 10 | 6.83 | 2.58 | 0.82 | 10 | 6.57 | 3.91 | 1.24 | 10 | 7.99 | 3.13 | 0.99 | 3 | 7.13 | 0.75 | 0.43 | | |
| | 5 | 10 | 15.33 | 8.64 | 2.73 | 10 | 10.17 | 3.75 | 1.19 | 10 | 13.82 | 5.64 | 1.78 | 3 | 13.10 | 2.65 | 1.53 | | |
| 600-Minute | 1 | 10 | 48.73 | 13.25 | 4.19 | 10 | 44.88 | 9.15 | 2.89 | 10 | 49.60 | 5.67 | 1.79 | 3 | 47.74 | 2.51 | 1.45 | | |
| | 2 | 10 | 20.01 | 7.67 | 2.42 | 10 | 25.98 | 8.14 | 2.57 | 10 | 16.31 | 2.82 | 0.89 | 3 | 20.77 | 4.88 | 2.82 | | |
| | 3 | 10 | 8.36 | 2.10 | 0.66 | 10 | 8.10 | 2.13 | 0.67 | 10 | 7.78 | 2.73 | 0.86 | 3 | 8.08 | 0.29 | 0.17 | | |
| | 4 | 10 | 6.96 | 3.16 | 1.00 | 10 | 8.06 | 2.95 | 0.93 | 10 | 7.51 | 1.81 | 0.57 | 3 | 7.51 | 0.55 | 0.32 | | |
| | 5 | 10 | 15.93 | 4.89 | 1.55 | 10 | 12.99 | 4.58 | 1.45 | 10 | 18.80 | 6.78 | 2.14 | 3 | 15.90 | 2.91 | 1.68 | | |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 37.16 | 11.10 | 3.51 | 10 | 31.28 | 10.85 | 3.43 | 10 | 33.02 | 16.38 | 5.18 |
| | 2 | 10 | 19.56 | 6.63 | 2.10 | 10 | 15.90 | 6.20 | 1.96 | 10 | 20.90 | 5.33 | 1.69 |
| | 3 | 10 | 19.43 | 8.13 | 2.57 | 10 | 21.06 | 4.61 | 1.46 | 10 | 16.39 | 6.56 | 2.07 |
| | 4 | 10 | 11.31 | 4.72 | 1.49 | 10 | 14.91 | 6.01 | 1.90 | 10 | 13.14 | 5.83 | 1.84 |
| | 5 | 10 | 12.05 | 4.34 | 1.37 | 10 | 16.85 | 6.76 | 2.14 | 10 | 16.55 | 7.01 | 2.22 |
| 30-Minute | 1 | 10 | 48.41 | 12.88 | 4.07 | 10 | 48.44 | 10.70 | 3.38 | 10 | 40.36 | 11.69 | 3.70 |
| | 2 | 10 | 20.91 | 9.43 | 2.98 | 10 | 24.58 | 14.82 | 4.69 | 10 | 18.62 | 5.94 | 1.88 |
| | 3 | 10 | 9.51 | 4.93 | 1.56 | 10 | 10.62 | 3.52 | 1.11 | 10 | 19.72 | 13.66 | 4.32 |
| | 4 | 10 | 8.62 | 2.92 | 0.92 | 10 | 8.34 | 2.38 | 0.75 | 10 | 10.21 | 5.82 | 1.84 |
| | 5 | 10 | 12.54 | 3.78 | 1.20 | 10 | 11.18 | 4.49 | 1.42 | 10 | 11.09 | 3.34 | 1.06 |
| 90-Minute | 1 | 10 | 50.82 | 9.58 | 3.03 | 10 | 53.87 | 12.20 | 3.86 | 10 | 56.28 | 11.41 | 3.61 |
| | 2 | 10 | 26.23 | 9.97 | 3.15 | 10 | 20.33 | 6.99 | 2.21 | 10 | 18.91 | 8.03 | 2.54 |
| | 3 | 10 | 10.79 | 3.48 | 1.10 | 10 | 13.75 | 6.39 | 2.02 | 10 | 10.39 | 4.52 | 1.43 |
| | 4 | 10 | 6.42 | 2.72 | 0.86 | 10 | 5.84 | 3.52 | 1.11 | 10 | 7.08 | 3.88 | 1.23 |
| | 5 | 10 | 5.74 | 2.93 | 0.93 | 10 | 6.22 | 2.53 | 0.80 | 10 | 7.34 | 3.12 | 0.99 |
| 300-Minute | 1 | 10 | 57.50 | 10.00 | 3.16 | 10 | 51.52 | 8.62 | 2.73 | 10 | 56.18 | 9.31 | 2.94 |
| | 2 | 10 | 20.77 | 6.23 | 1.97 | 10 | 26.15 | 8.45 | 2.67 | 10 | 20.81 | 7.21 | 2.28 |
| | 3 | 10 | 9.88 | 3.82 | 1.21 | 10 | 10.50 | 1.76 | 0.56 | 10 | 9.92 | 1.97 | 0.62 |
| | 4 | 10 | 5.57 | 1.79 | 0.57 | 10 | 5.89 | 2.67 | 0.84 | 10 | 6.14 | 2.76 | 0.87 |
| | 5 | 10 | 6.28 | 3.31 | 1.05 | 10 | 5.95 | 2.81 | 0.89 | 10 | 6.95 | 2.19 | 0.69 |
| 600-Minute | 1 | 10 | 61.49 | 8.88 | 2.81 | 10 | 53.04 | 11.25 | 3.56 | 10 | 50.20 | 6.75 | 2.14 |
| | 2 | 10 | 20.07 | 5.17 | 1.63 | 10 | 24.51 | 10.41 | 3.29 | 10 | 22.86 | 4.99 | 1.58 |
| | 3 | 10 | 7.40 | 1.90 | 0.60 | 10 | 10.16 | 2.80 | 0.88 | 10 | 10.90 | 3.81 | 1.21 |
| | 4 | 10 | 5.51 | 2.93 | 0.93 | 10 | 6.20 | 1.63 | 0.52 | 10 | 7.30 | 3.05 | 0.96 |
| | 5 | 10 | 5.53 | 2.12 | 0.67 | 10 | 6.10 | 2.47 | 0.78 | 10 | 8.74 | 3.10 | 0.98 |
| | 1 | 10 | 54.91 | 5.87 | 3.39 | 10 | 54.91 | 5.87 | 3.39 | 10 | 54.91 | 5.87 | 3.39 |
| | 2 | 10 | 22.48 | 2.24 | 1.29 | 10 | 22.48 | 2.24 | 1.29 | 10 | 22.48 | 2.24 | 1.29 |
| | 3 | 10 | 9.49 | 1.84 | 1.07 | 10 | 9.49 | 1.84 | 1.07 | 10 | 9.49 | 1.84 | 1.07 |
| | 4 | 10 | 6.34 | 0.90 | 0.52 | 10 | 6.34 | 0.90 | 0.52 | 10 | 6.34 | 0.90 | 0.52 |
| | 5 | 10 | 6.79 | 1.71 | 0.99 | 10 | 6.79 | 1.71 | 0.99 | 10 | 6.79 | 1.71 | 0.99 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 1

| Blood Draw | Freq. Band | N | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. |
|------------|------------|----|--------------|-------|------|---------------|-------|------|---------------|-------|------|------------|------|------|
| | | | Mean | Std. | S.E. | Mean | Std. | S.E. | Mean | Std. | S.E. | Mean | Std. | |
| Baseline | 1 | 10 | 27.71 | 7.26 | 2.29 | 24.18 | 9.55 | 3.02 | 30.75 | 12.00 | 3.79 | 27.54 | 3.29 | 1.90 |
| | 2 | 10 | 17.70 | 5.84 | 1.85 | 15.84 | 7.62 | 2.41 | 15.38 | 9.21 | 2.91 | 16.31 | 1.23 | 0.71 |
| | 3 | 10 | 22.27 | 5.64 | 1.78 | 18.53 | 5.95 | 1.88 | 15.85 | 5.06 | 1.60 | 18.88 | 3.22 | 1.86 |
| | 4 | 10 | 17.72 | 5.63 | 1.78 | 18.80 | 6.72 | 2.12 | 18.72 | 7.24 | 2.29 | 18.41 | 0.60 | 0.35 |
| | 5 | 10 | 14.48 | 5.44 | 1.72 | 22.66 | 11.92 | 3.77 | 19.30 | 9.53 | 3.01 | 18.81 | 4.11 | 2.37 |
| 30-Minute | 1 | 10 | 46.75 | 10.96 | 3.47 | 28.63 | 10.30 | 3.26 | 41.78 | 7.99 | 2.53 | 39.05 | 9.37 | 5.41 |
| | 2 | 10 | 18.49 | 6.28 | 1.98 | 21.57 | 13.11 | 4.15 | 23.21 | 8.59 | 2.72 | 21.09 | 2.40 | 1.39 |
| | 3 | 10 | 13.24 | 3.45 | 1.09 | 14.57 | 5.35 | 1.69 | 11.47 | 4.38 | 1.38 | 13.10 | 1.55 | 0.90 |
| | 4 | 10 | 10.13 | 6.92 | 2.19 | 18.62 | 6.03 | 1.91 | 10.83 | 6.85 | 2.16 | 13.19 | 4.71 | 2.72 |
| | 5 | 10 | 11.39 | 6.71 | 2.12 | 19.60 | 6.96 | 2.20 | 12.70 | 6.27 | 1.98 | 14.56 | 4.41 | 2.55 |
| 90-Minute | 1 | 10 | 46.09 | 11.39 | 3.60 | 58.08 | 14.08 | 4.45 | 52.27 | 17.61 | 5.57 | 52.15 | 6.00 | 3.46 |
| | 2 | 10 | 22.68 | 6.55 | 2.07 | 20.58 | 7.38 | 2.33 | 19.92 | 6.99 | 2.21 | 21.06 | 1.44 | 0.83 |
| | 3 | 10 | 13.65 | 4.29 | 1.36 | 9.30 | 3.98 | 1.26 | 10.32 | 5.32 | 1.68 | 11.09 | 2.28 | 1.31 |
| | 4 | 10 | 9.03 | 2.88 | 0.91 | 5.44 | 2.58 | 0.81 | 6.55 | 3.28 | 1.04 | 7.00 | 1.84 | 1.06 |
| | 5 | 10 | 8.55 | 3.98 | 1.26 | 6.60 | 4.49 | 1.42 | 10.95 | 11.97 | 3.79 | 8.70 | 2.18 | 1.26 |
| 300-Minute | 1 | 10 | 51.77 | 12.97 | 4.10 | 55.18 | 12.40 | 3.92 | 57.86 | 15.12 | 4.78 | 54.94 | 3.05 | 1.76 |
| | 2 | 10 | 21.49 | 3.60 | 1.14 | 24.38 | 6.78 | 2.14 | 17.85 | 7.77 | 2.46 | 21.24 | 3.27 | 1.89 |
| | 3 | 10 | 10.54 | 3.15 | 0.99 | 9.84 | 3.45 | 1.09 | 10.24 | 5.37 | 1.70 | 10.21 | 0.35 | 0.20 |
| | 4 | 10 | 6.72 | 3.65 | 1.15 | 5.25 | 2.77 | 0.88 | 6.69 | 3.58 | 1.13 | 6.22 | 0.84 | 0.48 |
| | 5 | 10 | 9.48 | 10.58 | 3.35 | 5.34 | 2.14 | 0.68 | 7.36 | 4.00 | 1.26 | 7.39 | 2.07 | 1.20 |
| 600-Minute | 1 | 10 | 54.02 | 12.46 | 3.94 | 49.38 | 14.46 | 4.57 | 36.59 | 8.73 | 2.76 | 46.66 | 9.02 | 5.21 |
| | 2 | 10 | 20.43 | 10.33 | 3.27 | 20.71 | 7.12 | 2.25 | 23.95 | 9.96 | 3.15 | 21.70 | 1.96 | 1.13 |
| | 3 | 10 | 10.50 | 3.82 | 1.21 | 12.31 | 4.00 | 1.27 | 13.55 | 5.72 | 1.81 | 12.12 | 1.53 | 0.88 |
| | 4 | 10 | 7.53 | 3.56 | 1.12 | 7.71 | 6.06 | 1.92 | 11.50 | 4.62 | 1.46 | 8.91 | 2.24 | 1.30 |
| | 5 | 10 | 7.52 | 4.01 | 1.27 | 9.90 | 9.01 | 2.85 | 14.40 | 8.08 | 2.56 | 10.61 | 3.49 | 2.02 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 2

| Blood Draw | Freq. Band | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | Grand Mean | S.E. |
|------------|------------|----|-------|-------|------|----|-------|-------|------|----|-------|-------|------|------------|------|
| Baseline | 1 | 10 | 37.73 | 11.14 | 3.52 | 10 | 33.77 | 16.09 | 5.09 | 10 | 43.80 | 8.98 | 2.84 | 38.43 | 5.05 |
| | 2 | 10 | 20.36 | 5.51 | 1.74 | 10 | 17.24 | 6.22 | 1.97 | 10 | 19.80 | 6.30 | 1.99 | 19.13 | 1.66 |
| | 3 | 10 | 16.69 | 5.02 | 1.59 | 10 | 20.98 | 8.92 | 2.82 | 10 | 15.87 | 5.75 | 1.82 | 17.85 | 2.75 |
| | 4 | 10 | 14.20 | 5.94 | 1.88 | 10 | 12.55 | 5.34 | 1.69 | 10 | 10.63 | 3.22 | 1.02 | 12.46 | 1.78 |
| | 5 | 10 | 10.79 | 4.75 | 1.50 | 10 | 15.44 | 12.11 | 3.83 | 10 | 9.90 | 5.51 | 1.74 | 12.04 | 2.98 |
| 30-Minute | 1 | 10 | 47.83 | 14.58 | 4.61 | 10 | 40.07 | 7.75 | 2.45 | 10 | 50.52 | 16.68 | 5.27 | 46.14 | 5.43 |
| | 2 | 10 | 19.58 | 8.58 | 2.71 | 10 | 25.35 | 13.01 | 4.11 | 10 | 20.19 | 9.00 | 2.85 | 21.71 | 3.17 |
| | 3 | 10 | 10.97 | 4.98 | 1.57 | 10 | 12.18 | 2.82 | 0.89 | 10 | 10.36 | 8.17 | 2.58 | 11.17 | 0.92 |
| | 4 | 10 | 8.42 | 3.60 | 1.14 | 10 | 9.81 | 4.13 | 1.31 | 10 | 10.07 | 5.16 | 1.63 | 9.43 | 0.88 |
| | 5 | 10 | 13.20 | 5.91 | 1.87 | 10 | 15.08 | 4.51 | 1.43 | 10 | 8.86 | 5.61 | 1.77 | 12.38 | 3.19 |
| 90-Minute | 1 | 10 | 45.75 | 11.99 | 3.79 | 10 | 53.67 | 14.88 | 4.70 | 10 | 57.35 | 9.32 | 2.95 | 52.26 | 5.92 |
| | 2 | 10 | 20.28 | 5.70 | 1.80 | 10 | 20.01 | 8.60 | 2.72 | 10 | 20.33 | 6.62 | 2.09 | 20.20 | 0.17 |
| | 3 | 10 | 12.59 | 5.01 | 1.58 | 10 | 10.39 | 4.09 | 1.29 | 10 | 9.92 | 4.64 | 1.47 | 10.97 | 1.42 |
| | 4 | 10 | 8.80 | 4.15 | 1.31 | 10 | 7.51 | 3.00 | 0.95 | 10 | 6.17 | 1.91 | 0.60 | 7.49 | 1.32 |
| | 5 | 10 | 12.59 | 4.31 | 1.36 | 10 | 8.42 | 3.14 | 0.99 | 10 | 6.24 | 3.11 | 0.98 | 9.08 | 3.23 |
| 300-Minute | 1 | 10 | 43.02 | 10.47 | 3.31 | 10 | 46.92 | 11.75 | 3.72 | 10 | 47.09 | 17.72 | 5.60 | 45.68 | 2.30 |
| | 2 | 10 | 22.14 | 8.55 | 2.70 | 10 | 24.00 | 6.06 | 1.92 | 10 | 18.93 | 7.88 | 2.49 | 21.69 | 2.57 |
| | 3 | 10 | 11.39 | 4.24 | 1.34 | 10 | 11.34 | 3.38 | 1.07 | 10 | 13.71 | 9.03 | 2.86 | 12.15 | 1.35 |
| | 4 | 10 | 8.23 | 3.01 | 0.95 | 10 | 7.44 | 3.49 | 1.10 | 10 | 7.48 | 3.39 | 1.07 | 7.72 | 0.45 |
| | 5 | 10 | 15.21 | 8.75 | 2.77 | 10 | 10.29 | 3.08 | 0.97 | 10 | 12.80 | 5.96 | 1.89 | 12.77 | 2.46 |
| 600-Minute | 1 | 10 | 50.66 | 15.82 | 5.00 | 10 | 47.29 | 12.86 | 4.07 | 10 | 50.29 | 14.09 | 4.46 | 49.42 | 1.85 |
| | 2 | 10 | 17.76 | 8.78 | 2.78 | 10 | 19.55 | 7.46 | 2.36 | 10 | 17.82 | 8.90 | 2.81 | 18.38 | 1.01 |
| | 3 | 10 | 8.66 | 2.51 | 0.79 | 10 | 10.33 | 2.59 | 0.82 | 10 | 8.57 | 3.10 | 0.98 | 9.19 | 1.00 |
| | 4 | 10 | 7.80 | 3.98 | 1.26 | 10 | 7.63 | 2.50 | 0.79 | 10 | 6.49 | 2.99 | 0.95 | 7.30 | 0.71 |
| | 5 | 10 | 15.12 | 7.14 | 2.26 | 10 | 15.20 | 7.31 | 2.31 | 10 | 16.83 | 7.80 | 2.47 | 15.72 | 0.96 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 4 (Continued)

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | | | | |
|---------------|---------------|--------------|--------|--------|---------------|----|--------|---------------|-------|----|------------|-------|-------|---|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | | | | |
| 600-Minute | 1 | 10 | 170.51 | 117.37 | 37.11 | 10 | 138.90 | 60.48 | 19.13 | 10 | 120.32 | 82.98 | 26.24 | 3 | 143.24 | 25.37 | 14.65 |
| | 2 | 10 | 107.88 | 55.08 | 17.42 | 10 | 112.42 | 66.78 | 21.12 | 10 | 71.03 | 24.44 | 7.73 | 3 | 97.11 | 22.70 | 13.11 |
| | 3 | 10 | 87.43 | 36.43 | 11.52 | 10 | 62.69 | 34.31 | 10.85 | 10 | 50.90 | 21.24 | 6.72 | 3 | 67.01 | 18.64 | 10.76 |
| | 4 | 10 | 48.05 | 13.13 | 4.15 | 10 | 32.54 | 14.00 | 4.43 | 10 | 45.97 | 14.68 | 4.64 | 3 | 42.19 | 8.42 | 4.86 |
| | 5 | 10 | 52.63 | 23.20 | 7.34 | 10 | 44.04 | 14.76 | 4.67 | 10 | 58.08 | 20.84 | 6.59 | 3 | 51.59 | 7.08 | 4.09 |
| | 6 | 10 | 33.31 | 5.64 | 1.78 | 10 | 24.98 | 10.11 | 3.20 | 10 | 31.83 | 14.12 | 4.47 | 3 | 30.04 | 4.44 | 2.57 |
| | 7 | 10 | 59.74 | 19.81 | 6.27 | 10 | 38.09 | 8.50 | 2.69 | 10 | 80.15 | 40.25 | 12.73 | 3 | 59.33 | 21.04 | 12.15 |
| | 8 | 10 | 0.55 | 0.49 | 0.15 | 10 | 0.07 | 0.16 | 0.05 | 10 | 0.92 | 0.60 | 0.19 | 3 | 0.51 | 0.42 | 0.24 |
| | 9 | 10 | 466.50 | 166.58 | 52.68 | 10 | 390.59 | 114.54 | 36.22 | 10 | 345.96 | 87.35 | 27.62 | 3 | 401.02 | 60.94 | 35.19 |

PARAMETER = Total Power
CHANNEL = 3 (Continued)

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | | | | |
|---------------|---------------|--------------|--------|--------|---------------|----|--------|---------------|-------|----|------------|--------|-------|---|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | | | | |
| 600-Minute | 1 | 10 | 233.79 | 188.54 | 59.62 | 10 | 170.98 | 70.10 | 22.17 | 10 | 185.39 | 113.83 | 36.00 | 3 | 196.72 | 32.90 | 19.00 |
| | 2 | 10 | 147.49 | 64.82 | 20.50 | 10 | 147.63 | 66.59 | 21.06 | 10 | 104.74 | 40.67 | 12.86 | 3 | 133.29 | 24.72 | 14.27 |
| | 3 | 10 | 131.73 | 57.50 | 18.18 | 10 | 95.48 | 36.33 | 11.49 | 10 | 74.58 | 28.23 | 8.93 | 3 | 100.60 | 28.91 | 16.69 |
| | 4 | 10 | 72.55 | 7.14 | 2.26 | 10 | 66.82 | 29.86 | 9.44 | 10 | 57.32 | 15.48 | 4.89 | 3 | 65.56 | 7.69 | 4.44 |
| | 5 | 10 | 123.37 | 32.58 | 10.30 | 10 | 92.61 | 28.26 | 8.94 | 10 | 112.84 | 47.88 | 15.14 | 3 | 109.61 | 15.63 | 9.03 |
| | 6 | 10 | 70.35 | 20.88 | 6.60 | 10 | 50.99 | 21.76 | 6.88 | 10 | 74.39 | 52.68 | 16.66 | 3 | 65.24 | 12.51 | 7.22 |
| | 7 | 10 | 149.88 | 20.42 | 6.46 | 10 | 117.80 | 9.23 | 2.92 | 10 | 179.44 | 67.13 | 21.23 | 3 | 149.04 | 30.83 | 17.80 |
| | 8 | 10 | 1.73 | 0.98 | 0.31 | 10 | 1.45 | 0.68 | 0.21 | 10 | 2.22 | 1.40 | 0.44 | 3 | 1.80 | 0.39 | 0.23 |
| | 9 | 10 | 708.92 | 222.10 | 70.23 | 10 | 573.52 | 174.57 | 55.20 | 10 | 534.54 | 134.50 | 42.53 | 3 | 605.66 | 91.53 | 52.84 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
 TASK: 89-09
 DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Total Power
 CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|--------|--------|---------------|----|--------|---------------|-------|----|------------|--------|-------|---|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 63.64 | 20.93 | 6.62 | 10 | 73.63 | 25.22 | 7.97 | 10 | 99.56 | 70.63 | 22.33 | 3 | 78.94 | 18.54 | 10.70 |
| | 2 | 10 | 35.62 | 11.78 | 3.72 | 10 | 44.29 | 22.39 | 7.08 | 10 | 61.24 | 33.77 | 10.68 | 3 | 47.05 | 13.03 | 7.52 |
| | 3 | 10 | 30.82 | 13.08 | 4.14 | 10 | 51.88 | 26.46 | 8.37 | 10 | 56.83 | 20.92 | 6.61 | 3 | 46.51 | 13.81 | 7.97 |
| | 4 | 10 | 25.19 | 7.82 | 2.47 | 10 | 24.65 | 6.73 | 2.13 | 10 | 18.72 | 8.17 | 2.58 | 3 | 22.85 | 3.59 | 2.07 |
| | 5 | 10 | 14.40 | 4.10 | 1.30 | 10 | 22.31 | 3.81 | 1.21 | 10 | 17.03 | 5.32 | 1.68 | 3 | 17.91 | 4.03 | 2.33 |
| | 6 | 10 | 6.94 | 3.08 | 0.97 | 10 | 7.60 | 2.76 | 0.87 | 10 | 7.93 | 3.83 | 1.21 | 3 | 7.49 | 0.50 | 0.29 |
| | 7 | 10 | 12.35 | 2.68 | 0.85 | 10 | 18.78 | 3.02 | 0.96 | 10 | 13.31 | 3.09 | 0.98 | 3 | 14.81 | 3.47 | 2.01 |
| | 8 | 10 | 0.10 | 0.14 | 0.04 | 10 | 0.16 | 0.17 | 0.05 | 10 | 0.04 | 0.09 | 0.03 | 3 | 0.10 | 0.06 | 0.04 |
| | 9 | 10 | 169.67 | 38.16 | 12.07 | 10 | 216.77 | 47.49 | 15.02 | 10 | 253.37 | 91.89 | 29.06 | 3 | 213.27 | 41.96 | 24.23 |
| 30-Minute | 1 | 10 | 91.10 | 37.06 | 11.72 | 10 | 76.23 | 50.92 | 16.10 | 10 | 112.42 | 65.05 | 20.57 | 3 | 93.25 | 18.19 | 10.50 |
| | 2 | 10 | 64.45 | 24.79 | 7.84 | 10 | 49.31 | 26.44 | 8.36 | 10 | 61.29 | 49.77 | 15.74 | 3 | 58.35 | 7.98 | 4.61 |
| | 3 | 10 | 39.97 | 10.39 | 3.28 | 10 | 23.47 | 10.07 | 3.18 | 10 | 35.55 | 16.93 | 5.36 | 3 | 33.00 | 8.54 | 4.93 |
| | 4 | 10 | 31.29 | 10.96 | 3.47 | 10 | 26.01 | 11.29 | 3.57 | 10 | 23.30 | 12.28 | 3.88 | 3 | 26.87 | 4.06 | 2.34 |
| | 5 | 10 | 19.74 | 3.87 | 1.22 | 10 | 16.91 | 6.06 | 1.92 | 10 | 14.16 | 4.08 | 1.29 | 3 | 16.94 | 2.79 | 1.61 |
| | 6 | 10 | 40.69 | 110.68 | 35.00 | 10 | 5.16 | 1.65 | 0.52 | 10 | 5.77 | 2.53 | 0.80 | 3 | 17.21 | 20.34 | 11.74 |
| | 7 | 10 | 15.84 | 5.05 | 1.60 | 10 | 14.00 | 3.83 | 1.21 | 10 | 12.90 | 4.14 | 1.31 | 3 | 14.25 | 1.49 | 0.86 |
| | 8 | 10 | 0.06 | 0.13 | 0.04 | 10 | 0.08 | 0.14 | 0.04 | 10 | 0.04 | 0.08 | 0.03 | 3 | 0.06 | 0.02 | 0.01 |
| | 9 | 10 | 246.55 | 43.76 | 13.84 | 10 | 191.93 | 73.91 | 23.37 | 10 | 246.72 | 120.90 | 38.23 | 3 | 228.40 | 31.58 | 18.23 |
| 90-Minute | 1 | 10 | 81.21 | 69.33 | 21.92 | 10 | 123.64 | 70.27 | 22.22 | 10 | 85.75 | 55.85 | 17.66 | 3 | 96.87 | 23.30 | 13.45 |
| | 2 | 10 | 45.11 | 17.32 | 5.48 | 10 | 56.06 | 40.10 | 12.68 | 10 | 48.65 | 21.97 | 6.95 | 3 | 49.94 | 5.59 | 3.23 |
| | 3 | 10 | 27.21 | 11.70 | 3.70 | 10 | 27.37 | 11.68 | 3.69 | 10 | 32.70 | 13.27 | 4.20 | 3 | 29.10 | 3.13 | 1.80 |
| | 4 | 10 | 26.65 | 9.89 | 3.13 | 10 | 18.74 | 12.54 | 3.96 | 10 | 19.72 | 10.85 | 3.43 | 3 | 21.70 | 4.31 | 2.49 |
| | 5 | 10 | 20.96 | 5.46 | 1.73 | 10 | 16.86 | 5.80 | 1.83 | 10 | 14.69 | 4.12 | 1.30 | 3 | 17.51 | 3.18 | 1.84 |
| | 6 | 10 | 13.90 | 3.10 | 0.98 | 10 | 13.69 | 4.16 | 1.32 | 10 | 13.37 | 3.56 | 1.12 | 3 | 13.65 | 0.27 | 0.15 |
| | 7 | 10 | 18.74 | 4.21 | 1.33 | 10 | 19.39 | 4.51 | 1.43 | 10 | 16.60 | 5.23 | 1.65 | 3 | 18.24 | 1.46 | 0.84 |
| | 8 | 10 | 0.07 | 0.07 | 0.02 | 10 | 0.17 | 0.20 | 0.06 | 10 | 0.13 | 0.19 | 0.06 | 3 | 0.12 | 0.05 | 0.03 |
| | 9 | 10 | 201.14 | 89.45 | 28.29 | 10 | 242.67 | 113.83 | 36.00 | 10 | 201.52 | 79.20 | 25.05 | 3 | 215.11 | 23.87 | 13.78 |
| 300-Minute | 1 | 10 | 35.65 | 19.01 | 6.01 | 10 | 60.99 | 23.44 | 7.41 | 10 | 76.50 | 41.76 | 13.21 | 3 | 57.71 | 20.62 | 11.90 |
| | 2 | 10 | 23.43 | 11.68 | 3.69 | 10 | 35.36 | 14.81 | 4.68 | 10 | 35.61 | 28.46 | 9.00 | 3 | 31.46 | 6.96 | 4.02 |
| | 3 | 10 | 17.67 | 5.76 | 1.82 | 10 | 24.95 | 10.82 | 3.42 | 10 | 31.68 | 13.54 | 4.28 | 3 | 24.77 | 7.01 | 4.05 |
| | 4 | 10 | 21.80 | 10.97 | 3.47 | 10 | 31.03 | 16.23 | 5.13 | 10 | 22.92 | 12.04 | 3.81 | 3 | 25.25 | 5.04 | 2.91 |
| | 5 | 10 | 19.77 | 11.57 | 3.66 | 10 | 34.82 | 11.60 | 3.67 | 10 | 27.67 | 13.53 | 4.28 | 3 | 27.42 | 7.53 | 4.35 |
| | 6 | 10 | 11.47 | 3.88 | 1.23 | 10 | 18.37 | 8.02 | 2.53 | 10 | 17.65 | 3.68 | 1.16 | 3 | 15.83 | 3.80 | 2.19 |
| | 7 | 10 | 16.81 | 8.25 | 2.61 | 10 | 37.43 | 22.02 | 6.96 | 10 | 26.90 | 4.98 | 1.57 | 3 | 27.05 | 10.31 | 5.95 |
| | 8 | 10 | 0.10 | 0.12 | 0.04 | 10 | 0.63 | 0.59 | 0.19 | 10 | 0.28 | 0.16 | 0.05 | 3 | 0.34 | 0.27 | 0.15 |
| | 9 | 10 | 114.29 | 42.48 | 13.43 | 10 | 187.14 | 46.14 | 14.59 | 10 | 194.38 | 68.49 | 21.66 | 3 | 165.27 | 44.30 | 25.57 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 2 (Continued)

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|--------|-------|---------------|----|--------|---------------|-------|----|------------|-------|-------|---|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| 600-Minute | 1 | 10 | 56.91 | 28.73 | 9.08 | 10 | 64.46 | 27.66 | 8.75 | 10 | 74.82 | 34.43 | 10.89 | 3 | 65.39 | 8.99 | 5.19 |
| | 2 | 10 | 39.72 | 12.99 | 4.11 | 10 | 36.17 | 14.16 | 4.48 | 10 | 42.50 | 13.71 | 4.34 | 3 | 39.46 | 3.18 | 1.83 |
| | 3 | 10 | 51.23 | 21.55 | 6.81 | 10 | 29.48 | 11.17 | 3.53 | 10 | 36.60 | 15.53 | 4.91 | 3 | 39.10 | 11.09 | 6.40 |
| | 4 | 10 | 28.17 | 9.17 | 2.90 | 10 | 22.22 | 8.40 | 2.65 | 10 | 29.88 | 13.42 | 4.24 | 3 | 26.76 | 4.02 | 2.32 |
| | 5 | 10 | 24.99 | 5.01 | 1.58 | 10 | 17.15 | 4.00 | 1.27 | 10 | 22.79 | 7.31 | 2.31 | 3 | 21.64 | 4.04 | 2.33 |
| | 6 | 10 | 7.03 | 2.41 | 0.76 | 10 | 7.75 | 3.46 | 1.10 | 10 | 8.59 | 5.25 | 1.66 | 3 | 7.79 | 0.78 | 0.45 |
| | 7 | 10 | 22.68 | 5.99 | 1.90 | 10 | 19.48 | 4.19 | 1.32 | 10 | 27.06 | 14.08 | 4.45 | 3 | 23.07 | 3.80 | 2.20 |
| | 8 | 10 | 0.13 | 0.18 | 0.06 | 10 | 0.20 | 0.17 | 0.06 | 10 | 0.35 | 0.40 | 0.13 | 3 | 0.23 | 0.11 | 0.06 |
| | 9 | 10 | 201.02 | 45.65 | 14.43 | 10 | 169.48 | 41.29 | 13.06 | 10 | 205.04 | 46.28 | 14.63 | 3 | 191.85 | 19.47 | 11.24 |

PARAMETER = Total Power
CHANNEL = 1 (Continued)

| Blood Draw | Freq. Band | Windows 1-10 | | | | Windows 11-20 | | | | Windows 21-30 | | | | Grand Mean | | | |
|------------|------------|--------------|--------|-------|-------|---------------|--------|-------|------|---------------|--------|-------|-------|------------|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| 600-Minute | 1 | 10 | 53.68 | 20.84 | 6.59 | 10 | 53.22 | 16.71 | 5.28 | 10 | 50.38 | 16.76 | 5.30 | 3 | 52.43 | 1.79 | 1.03 |
| | 2 | 10 | 42.71 | 9.26 | 2.93 | 10 | 33.93 | 7.10 | 2.24 | 10 | 28.45 | 12.11 | 3.83 | 3 | 35.03 | 7.20 | 4.15 |
| | 3 | 10 | 36.15 | 12.13 | 3.84 | 10 | 22.57 | 7.08 | 2.24 | 10 | 35.44 | 9.75 | 3.08 | 3 | 31.39 | 7.65 | 4.41 |
| | 4 | 10 | 29.82 | 10.93 | 3.46 | 10 | 15.25 | 5.69 | 1.80 | 10 | 38.87 | 18.25 | 5.77 | 3 | 27.98 | 11.92 | 6.88 |
| | 5 | 10 | 48.34 | 27.63 | 8.74 | 10 | 18.22 | 9.94 | 3.14 | 10 | 65.64 | 41.94 | 13.26 | 3 | 44.07 | 24.00 | 13.85 |
| | 6 | 10 | 20.34 | 13.84 | 4.38 | 10 | 11.32 | 5.04 | 1.59 | 10 | 46.67 | 33.56 | 10.61 | 3 | 26.11 | 18.37 | 10.61 |
| | 7 | 10 | 61.73 | 42.44 | 13.42 | 10 | 17.07 | 6.14 | 1.94 | 10 | 116.60 | 70.60 | 22.33 | 3 | 65.13 | 49.85 | 28.78 |
| | 8 | 10 | 0.88 | 0.63 | 0.20 | 10 | 0.13 | 0.15 | 0.05 | 10 | 1.68 | 1.38 | 0.44 | 3 | 0.90 | 0.77 | 0.45 |
| | 9 | 10 | 210.71 | 41.81 | 13.22 | 10 | 143.19 | 27.25 | 8.62 | 10 | 216.77 | 57.94 | 18.32 | 3 | 190.22 | 40.85 | 23.58 |

PARAMETER = Peak Frequency
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | | Windows 11-20 | | | | Windows 21-30 | | | | Grand Mean | | S.E. | |
|------------|------------|--------------|-------|------|------|---------------|-------|------|------|---------------|-------|------|------|------------|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | Mean | Std. | | |
| Baseline | 1 | 9 | 2.44 | 0.77 | 0.26 | 10 | 2.05 | 0.64 | 0.20 | 9 | 1.94 | 0.53 | 0.18 | 3 | 2.15 | 0.26 | 0.15 |
| | 2 | 8 | 6.06 | 0.78 | 0.27 | 10 | 5.55 | 1.19 | 0.38 | 9 | 5.61 | 0.82 | 0.27 | 3 | 5.74 | 0.28 | 0.16 |
| | 3 | 10 | 10.15 | 1.20 | 0.38 | 10 | 9.80 | 1.48 | 0.47 | 9 | 10.17 | 1.41 | 0.47 | 3 | 10.04 | 0.21 | 0.12 |
| | 4 | 10 | 15.20 | 1.44 | 0.45 | 10 | 15.30 | 1.36 | 0.43 | 10 | 15.30 | 1.23 | 0.39 | 3 | 15.27 | 0.06 | 0.03 |
| | 5 | 10 | 22.60 | 1.63 | 0.52 | 10 | 20.55 | 1.34 | 0.42 | 10 | 22.65 | 1.78 | 0.56 | 3 | 21.93 | 1.20 | 0.69 |
| 30-Minute | 9 | 10 | 3.85 | 2.63 | 0.83 | 10 | 2.30 | 0.86 | 0.27 | 10 | 2.80 | 1.42 | 0.45 | 3 | 2.98 | 0.79 | 0.46 |
| | 1 | 10 | 2.30 | 0.79 | 0.25 | 10 | 2.35 | 0.67 | 0.21 | 10 | 2.15 | 0.67 | 0.21 | 3 | 2.27 | 0.10 | 0.06 |
| | 2 | 10 | 5.90 | 0.66 | 0.21 | 10 | 5.60 | 0.84 | 0.27 | 9 | 5.44 | 0.68 | 0.23 | 3 | 5.65 | 0.23 | 0.13 |
| | 3 | 10 | 10.65 | 0.88 | 0.28 | 10 | 10.00 | 1.05 | 0.33 | 10 | 10.55 | 1.38 | 0.44 | 3 | 10.40 | 0.35 | 0.20 |
| | 4 | 10 | 16.13 | 0.92 | 0.29 | 9 | 15.17 | 0.79 | 0.26 | 10 | 15.55 | 1.12 | 0.35 | 3 | 15.61 | 0.48 | 0.28 |
| 90-Minute | 5 | 10 | 21.70 | 1.48 | 0.47 | 10 | 21.05 | 1.86 | 0.59 | 10 | 21.40 | 1.88 | 0.60 | 3 | 21.38 | 0.33 | 0.19 |
| | 9 | 10 | 3.25 | 2.55 | 0.81 | 10 | 2.65 | 0.88 | 0.28 | 10 | 2.40 | 1.13 | 0.36 | 3 | 2.77 | 0.44 | 0.25 |
| | 1 | 10 | 2.35 | 0.63 | 0.20 | 10 | 2.15 | 0.67 | 0.21 | 9 | 2.56 | 0.63 | 0.21 | 3 | 2.35 | 0.20 | 0.12 |
| | 2 | 10 | 5.55 | 1.19 | 0.38 | 10 | 5.75 | 0.95 | 0.30 | 10 | 6.05 | 1.04 | 0.33 | 3 | 5.78 | 0.25 | 0.15 |
| | 3 | 8 | 9.75 | 1.28 | 0.45 | 10 | 10.45 | 1.30 | 0.41 | 10 | 9.80 | 1.01 | 0.32 | 3 | 10.00 | 0.39 | 0.23 |
| 300-Minute | 4 | 10 | 16.00 | 1.13 | 0.36 | 10 | 15.25 | 1.32 | 0.42 | 10 | 15.65 | 1.00 | 0.32 | 3 | 15.63 | 0.38 | 0.22 |
| | 5 | 10 | 19.55 | 0.83 | 0.26 | 10 | 20.30 | 1.42 | 0.45 | 10 | 21.00 | 2.40 | 0.76 | 3 | 20.28 | 0.73 | 0.42 |
| | 9 | 10 | 3.35 | 1.97 | 0.62 | 10 | 2.15 | 0.67 | 0.21 | 10 | 3.85 | 1.92 | 0.61 | 3 | 3.12 | 0.87 | 0.50 |
| | 1 | 10 | 2.40 | 0.74 | 0.23 | 9 | 2.17 | 0.50 | 0.17 | 10 | 2.45 | 0.72 | 0.23 | 3 | 2.34 | 0.15 | 0.09 |
| | 2 | 10 | 5.85 | 0.88 | 0.28 | 9 | 6.11 | 1.02 | 0.34 | 10 | 5.70 | 0.89 | 0.28 | 3 | 5.89 | 0.21 | 0.12 |
| 600-Minute | 3 | 10 | 10.05 | 1.48 | 0.47 | 10 | 10.25 | 0.75 | 0.24 | 10 | 9.75 | 0.98 | 0.31 | 3 | 10.02 | 0.25 | 0.15 |
| | 4 | 10 | 15.50 | 0.97 | 0.31 | 10 | 15.50 | 1.37 | 0.43 | 10 | 15.00 | 1.41 | 0.45 | 3 | 15.33 | 0.29 | 0.17 |
| | 5 | 10 | 21.35 | 1.63 | 0.52 | 10 | 20.85 | 1.93 | 0.61 | 10 | 20.55 | 1.74 | 0.55 | 3 | 20.92 | 0.40 | 0.23 |
| | 9 | 10 | 4.50 | 6.39 | 2.02 | 10 | 5.20 | 6.56 | 2.08 | 10 | 3.30 | 2.15 | 0.68 | 3 | 4.33 | 0.96 | 0.55 |
| | 1 | 9 | 1.94 | 0.53 | 0.18 | 10 | 2.40 | 0.88 | 0.28 | 8 | 2.44 | 0.68 | 0.24 | 3 | 2.26 | 0.27 | 0.16 |
| 600-Minute | 2 | 10 | 5.90 | 0.91 | 0.29 | 9 | 6.00 | 0.90 | 0.30 | 10 | 5.65 | 0.94 | 0.30 | 3 | 5.85 | 0.18 | 0.10 |
| | 3 | 10 | 9.85 | 1.06 | 0.33 | 9 | 9.89 | 1.14 | 0.38 | 10 | 9.70 | 1.32 | 0.42 | 3 | 9.81 | 0.10 | 0.06 |
| | 4 | 10 | 15.30 | 1.40 | 0.44 | 10 | 16.05 | 1.07 | 0.34 | 10 | 15.70 | 1.16 | 0.37 | 3 | 15.68 | 0.38 | 0.22 |
| | 5 | 10 | 21.20 | 1.46 | 0.46 | 10 | 20.55 | 1.80 | 0.57 | 10 | 20.85 | 1.99 | 0.63 | 3 | 20.87 | 0.33 | 0.19 |
| | 9 | 10 | 3.60 | 3.23 | 1.02 | 10 | 3.10 | 1.76 | 0.56 | 10 | 7.70 | 7.60 | 2.40 | 3 | 4.80 | 2.52 | 1.46 |

PARAMETER = Peak Frequency
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 7 | 2.29 | 0.86 | 0.32 | 8 | 2.56 | 0.68 | 0.24 | 9 | 2.22 | 0.79 | 0.26 | 3 | 2.36 | 0.18 | 0.10 |
| | 2 | 9 | 5.89 | 0.89 | 0.30 | 10 | 5.80 | 0.86 | 0.27 | 9 | 5.50 | 1.12 | 0.37 | 3 | 5.73 | 0.20 | 0.12 |
| | 3 | 10 | 10.50 | 0.91 | 0.29 | 10 | 10.60 | 1.13 | 0.36 | 10 | 10.50 | 1.29 | 0.41 | 3 | 10.53 | 0.06 | 0.03 |
| | 4 | 10 | 15.45 | 1.14 | 0.36 | 10 | 15.55 | 1.44 | 0.46 | 10 | 15.30 | 1.48 | 0.47 | 3 | 15.43 | 0.13 | 0.07 |
| | 5 | 10 | 20.70 | 1.77 | 0.56 | 10 | 21.00 | 1.62 | 0.51 | 10 | 20.98 | 1.34 | 0.42 | 3 | 20.89 | 0.17 | 0.10 |
| 30-Minute | 9 | 10 | 9.45 | 6.18 | 1.95 | 10 | 6.85 | 4.12 | 1.30 | 10 | 4.00 | 1.76 | 0.56 | 3 | 6.77 | 2.73 | 1.57 |
| | 1 | 9 | 2.44 | 0.77 | 0.26 | 8 | 2.00 | 0.71 | 0.25 | 7 | 1.93 | 0.53 | 0.20 | 3 | 2.12 | 0.28 | 0.16 |
| | 2 | 9 | 5.44 | 0.98 | 0.33 | 10 | 6.05 | 0.98 | 0.31 | 9 | 5.89 | 0.96 | 0.32 | 3 | 5.79 | 0.31 | 0.18 |
| | 3 | 10 | 10.25 | 1.25 | 0.40 | 10 | 10.60 | 1.22 | 0.39 | 10 | 9.50 | 0.67 | 0.21 | 3 | 10.12 | 0.56 | 0.32 |
| | 4 | 10 | 15.40 | 1.17 | 0.37 | 10 | 16.10 | 1.26 | 0.40 | 10 | 14.90 | 1.43 | 0.45 | 3 | 15.47 | 0.60 | 0.35 |
| 90-Minute | 5 | 10 | 21.03 | 1.58 | 0.50 | 10 | 21.45 | 1.67 | 0.53 | 10 | 20.80 | 2.02 | 0.64 | 3 | 21.09 | 0.33 | 0.19 |
| | 9 | 10 | 4.55 | 4.47 | 1.42 | 10 | 4.10 | 4.43 | 1.40 | 10 | 2.80 | 1.62 | 0.51 | 3 | 3.82 | 0.91 | 0.52 |
| | 1 | 9 | 2.44 | 0.58 | 0.19 | 9 | 2.44 | 0.58 | 0.19 | 10 | 2.45 | 0.72 | 0.23 | 3 | 2.45 | 0.00 | 0.00 |
| | 2 | 10 | 5.95 | 1.07 | 0.34 | 10 | 6.40 | 0.88 | 0.28 | 10 | 6.15 | 0.58 | 0.18 | 3 | 6.17 | 0.23 | 0.13 |
| | 3 | 10 | 10.35 | 1.56 | 0.49 | 10 | 10.05 | 1.14 | 0.36 | 10 | 9.40 | 0.99 | 0.31 | 3 | 9.93 | 0.49 | 0.28 |
| 300-Minute | 4 | 10 | 15.50 | 1.15 | 0.37 | 10 | 15.45 | 1.48 | 0.47 | 10 | 14.85 | 1.25 | 0.39 | 3 | 15.27 | 0.36 | 0.21 |
| | 5 | 9 | 21.22 | 2.24 | 0.75 | 10 | 20.90 | 2.16 | 0.68 | 10 | 22.35 | 1.58 | 0.50 | 3 | 21.49 | 0.76 | 0.44 |
| | 9 | 10 | 4.70 | 3.98 | 1.26 | 10 | 5.30 | 6.96 | 2.20 | 10 | 4.80 | 3.75 | 1.19 | 3 | 4.93 | 0.32 | 0.19 |
| | 1 | 8 | 1.69 | 0.53 | 0.19 | 8 | 2.44 | 0.78 | 0.27 | 8 | 2.50 | 0.71 | 0.25 | 3 | 2.21 | 0.45 | 0.26 |
| | 2 | 10 | 5.25 | 1.53 | 0.48 | 10 | 6.10 | 0.94 | 0.30 | 9 | 5.61 | 0.78 | 0.26 | 3 | 5.65 | 0.43 | 0.25 |
| 600-Minute | 3 | 10 | 10.75 | 1.14 | 0.36 | 10 | 9.75 | 1.25 | 0.40 | 10 | 10.20 | 1.03 | 0.33 | 3 | 10.23 | 0.50 | 0.29 |
| | 4 | 10 | 16.20 | 1.34 | 0.42 | 10 | 15.35 | 1.16 | 0.37 | 10 | 15.65 | 1.20 | 0.38 | 3 | 15.73 | 0.43 | 0.25 |
| | 5 | 10 | 22.15 | 1.78 | 0.56 | 10 | 21.90 | 2.08 | 0.66 | 10 | 20.95 | 1.86 | 0.59 | 3 | 21.67 | 0.63 | 0.37 |
| | 9 | 10 | 17.85 | 8.24 | 2.61 | 10 | 14.35 | 9.80 | 3.10 | 10 | 8.35 | 7.99 | 2.53 | 3 | 13.52 | 4.80 | 2.77 |
| | 1 | 8 | 2.56 | 0.82 | 0.29 | 6 | 2.33 | 0.52 | 0.21 | 9 | 2.44 | 0.63 | 0.21 | 3 | 2.45 | 0.11 | 0.07 |
| 600-Minute | 2 | 10 | 5.85 | 0.85 | 0.27 | 9 | 6.28 | 1.15 | 0.38 | 10 | 5.95 | 0.72 | 0.23 | 3 | 6.03 | 0.22 | 0.13 |
| | 3 | 10 | 10.90 | 1.15 | 0.36 | 10 | 10.10 | 0.94 | 0.30 | 10 | 10.60 | 1.49 | 0.47 | 3 | 10.53 | 0.40 | 0.23 |
| | 4 | 10 | 15.30 | 1.34 | 0.42 | 10 | 15.05 | 1.07 | 0.34 | 10 | 15.90 | 1.22 | 0.39 | 3 | 15.42 | 0.44 | 0.25 |
| | 5 | 10 | 20.05 | 1.59 | 0.50 | 10 | 22.45 | 1.40 | 0.44 | 10 | 20.30 | 1.40 | 0.44 | 3 | 20.93 | 1.32 | 0.76 |
| | 9 | 10 | 7.95 | 7.42 | 2.35 | 10 | 4.60 | 3.05 | 0.97 | 10 | 12.10 | 8.51 | 2.69 | 3 | 8.22 | 3.76 | 2.17 |

PARAMETER = Peak Frequency
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | | Windows 11-20 | | | | Windows 21-30 | | | | Grand Mean | | | |
|------------|------------|--------------|-------|------|------|---------------|-------|------|------|---------------|-------|------|------|------------|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | Mean | Std. | S.E. | |
| Baseline | 1 | 10 | 2.55 | 0.76 | 0.24 | 10 | 2.55 | 0.64 | 0.20 | 10 | 2.25 | 0.63 | 0.20 | 3 | 2.45 | 0.17 | 0.10 |
| | 2 | 10 | 5.75 | 1.09 | 0.34 | 10 | 6.65 | 0.88 | 0.28 | 8 | 5.75 | 1.28 | 0.45 | 3 | 6.05 | 0.52 | 0.30 |
| | 3 | 10 | 11.30 | 0.48 | 0.15 | 10 | 10.75 | 0.92 | 0.29 | 10 | 10.45 | 1.36 | 0.43 | 3 | 10.83 | 0.43 | 0.25 |
| | 4 | 10 | 14.75 | 1.16 | 0.37 | 10 | 15.15 | 1.13 | 0.36 | 10 | 15.35 | 1.47 | 0.47 | 3 | 15.08 | 0.31 | 0.18 |
| | 5 | 10 | 21.70 | 1.86 | 0.59 | 10 | 21.05 | 1.71 | 0.54 | 10 | 21.40 | 1.79 | 0.57 | 3 | 21.38 | 0.33 | 0.19 |
| 30-Minute | 9 | 10 | 2.55 | 0.76 | 0.24 | 10 | 3.85 | 2.83 | 0.89 | 10 | 3.65 | 3.29 | 1.04 | 3 | 3.35 | 0.70 | 0.40 |
| | 1 | 10 | 2.65 | 0.82 | 0.26 | 10 | 2.05 | 0.60 | 0.19 | 10 | 2.10 | 0.70 | 0.22 | 3 | 2.27 | 0.33 | 0.19 |
| | 2 | 9 | 6.17 | 0.90 | 0.30 | 10 | 5.80 | 1.01 | 0.32 | 10 | 6.30 | 0.86 | 0.27 | 3 | 6.09 | 0.26 | 0.15 |
| | 3 | 10 | 10.95 | 1.04 | 0.33 | 10 | 10.35 | 1.68 | 0.53 | 9 | 10.89 | 1.17 | 0.39 | 3 | 10.73 | 0.33 | 0.19 |
| | 4 | 10 | 14.90 | 0.99 | 0.31 | 10 | 15.65 | 0.82 | 0.26 | 10 | 15.30 | 1.25 | 0.40 | 3 | 15.28 | 0.38 | 0.22 |
| 90-Minute | 5 | 10 | 20.65 | 1.49 | 0.47 | 10 | 21.70 | 1.70 | 0.54 | 10 | 20.95 | 1.48 | 0.47 | 3 | 21.10 | 0.54 | 0.31 |
| | 9 | 10 | 3.70 | 2.06 | 0.65 | 10 | 2.55 | 1.50 | 0.47 | 10 | 2.45 | 1.55 | 0.49 | 3 | 2.90 | 0.69 | 0.40 |
| | 1 | 10 | 1.95 | 0.44 | 0.14 | 8 | 2.06 | 0.73 | 0.26 | 10 | 2.65 | 0.78 | 0.25 | 3 | 2.22 | 0.38 | 0.22 |
| | 2 | 10 | 6.35 | 1.00 | 0.32 | 10 | 5.70 | 1.01 | 0.32 | 8 | 6.00 | 1.07 | 0.38 | 3 | 6.02 | 0.33 | 0.19 |
| | 3 | 9 | 10.94 | 1.01 | 0.34 | 9 | 9.56 | 0.92 | 0.31 | 10 | 10.50 | 1.37 | 0.43 | 3 | 10.33 | 0.71 | 0.41 |
| 300-Minute | 4 | 10 | 15.90 | 1.22 | 0.39 | 9 | 16.00 | 0.71 | 0.24 | 10 | 15.70 | 1.65 | 0.52 | 3 | 15.87 | 0.15 | 0.09 |
| | 5 | 10 | 22.05 | 2.07 | 0.66 | 10 | 19.80 | 1.42 | 0.45 | 10 | 21.35 | 1.75 | 0.55 | 3 | 21.07 | 1.15 | 0.66 |
| | 9 | 10 | 3.00 | 1.96 | 0.62 | 10 | 3.80 | 4.47 | 1.41 | 10 | 4.25 | 3.86 | 1.22 | 3 | 3.68 | 0.63 | 0.37 |
| | 1 | 10 | 2.35 | 0.67 | 0.21 | 10 | 2.35 | 0.63 | 0.20 | 10 | 2.50 | 0.67 | 0.21 | 3 | 2.40 | 0.09 | 0.05 |
| | 2 | 9 | 5.89 | 1.34 | 0.45 | 10 | 6.05 | 0.76 | 0.24 | 9 | 6.28 | 1.09 | 0.36 | 3 | 6.07 | 0.20 | 0.11 |
| 600-Minute | 3 | 10 | 10.90 | 1.22 | 0.39 | 10 | 10.45 | 1.34 | 0.42 | 9 | 9.61 | 0.96 | 0.32 | 3 | 10.32 | 0.65 | 0.38 |
| | 4 | 10 | 15.30 | 1.32 | 0.42 | 10 | 15.55 | 1.12 | 0.35 | 10 | 15.90 | 1.35 | 0.43 | 3 | 15.58 | 0.30 | 0.17 |
| | 5 | 10 | 20.35 | 1.70 | 0.54 | 10 | 20.72 | 1.84 | 0.58 | 10 | 20.10 | 1.15 | 0.36 | 3 | 20.39 | 0.31 | 0.18 |
| | 9 | 10 | 3.70 | 3.93 | 1.24 | 10 | 3.85 | 4.84 | 1.53 | 10 | 3.15 | 2.47 | 0.78 | 3 | 3.57 | 0.37 | 0.21 |
| | 1 | 9 | 2.17 | 0.50 | 0.17 | 10 | 2.45 | 0.28 | 0.09 | 9 | 2.22 | 0.57 | 0.19 | 3 | 2.28 | 0.15 | 0.09 |
| | 2 | 10 | 6.10 | 0.94 | 0.30 | 10 | 6.30 | 0.75 | 0.24 | 9 | 6.39 | 0.86 | 0.29 | 3 | 6.26 | 0.15 | 0.09 |
| | 3 | 10 | 10.30 | 1.51 | 0.48 | 10 | 9.85 | 0.97 | 0.31 | 9 | 10.83 | 1.39 | 0.46 | 3 | 10.33 | 0.49 | 0.28 |
| | 4 | 10 | 15.00 | 1.35 | 0.43 | 10 | 15.85 | 1.29 | 0.41 | 10 | 15.15 | 1.25 | 0.39 | 3 | 15.33 | 0.45 | 0.26 |
| | 5 | 10 | 19.60 | 1.05 | 0.33 | 10 | 21.55 | 1.17 | 0.37 | 10 | 21.10 | 1.98 | 0.63 | 3 | 20.75 | 1.02 | 0.59 |
| | 9 | 10 | 5.60 | 5.04 | 1.59 | 10 | 3.05 | 1.40 | 0.44 | 10 | 3.45 | 2.13 | 0.67 | 3 | 4.03 | 1.37 | 0.79 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | |
| Baseline | 1 | 10 | 2.38 | 0.27 | 0.09 | 10 | 2.30 | 0.27 | 0.08 | 10 | 2.25 | 0.27 | 0.09 | 0.04 |
| | 2 | 10 | 5.39 | 0.32 | 0.10 | 10 | 5.48 | 0.28 | 0.09 | 10 | 5.50 | 0.23 | 0.07 | 0.03 |
| | 3 | 10 | 10.06 | 0.38 | 0.12 | 10 | 10.15 | 0.42 | 0.13 | 10 | 10.03 | 0.33 | 0.10 | 0.04 |
| | 4 | 10 | 15.12 | 0.35 | 0.11 | 10 | 15.33 | 0.33 | 0.10 | 10 | 14.85 | 0.54 | 0.17 | 0.14 |
| | 5 | 10 | 21.58 | 0.36 | 0.11 | 10 | 21.21 | 0.49 | 0.16 | 10 | 21.15 | 0.49 | 0.15 | 0.13 |
| 30-Minute | 9 | 10 | 8.02 | 1.43 | 0.45 | 10 | 9.02 | 0.96 | 0.30 | 10 | 7.95 | 1.23 | 0.39 | 0.35 |
| | 1 | 10 | 2.28 | 0.35 | 0.11 | 10 | 2.23 | 0.28 | 0.09 | 10 | 2.06 | 0.27 | 0.08 | 0.07 |
| | 2 | 10 | 5.39 | 0.39 | 0.12 | 10 | 5.53 | 0.41 | 0.13 | 10 | 5.60 | 0.23 | 0.07 | 0.06 |
| | 3 | 10 | 10.10 | 0.54 | 0.17 | 10 | 9.97 | 0.60 | 0.19 | 10 | 9.90 | 0.48 | 0.15 | 0.06 |
| | 4 | 10 | 15.20 | 0.30 | 0.09 | 10 | 15.22 | 0.63 | 0.20 | 10 | 15.23 | 0.43 | 0.14 | 0.01 |
| 90-Minute | 5 | 10 | 20.85 | 0.23 | 0.07 | 10 | 21.10 | 0.37 | 0.12 | 10 | 20.90 | 0.44 | 0.14 | 0.07 |
| | 9 | 10 | 8.47 | 0.93 | 0.29 | 10 | 7.07 | 0.97 | 0.31 | 10 | 7.45 | 0.60 | 0.19 | 0.41 |
| | 1 | 10 | 2.35 | 0.32 | 0.10 | 10 | 2.26 | 0.26 | 0.08 | 10 | 2.36 | 0.38 | 0.12 | 0.03 |
| | 2 | 10 | 5.41 | 0.33 | 0.10 | 10 | 5.69 | 0.33 | 0.10 | 10 | 5.59 | 0.29 | 0.09 | 0.08 |
| | 3 | 10 | 10.00 | 0.47 | 0.15 | 10 | 9.86 | 0.33 | 0.11 | 10 | 9.95 | 0.57 | 0.18 | 0.04 |
| 300-Minute | 4 | 10 | 15.43 | 0.32 | 0.10 | 10 | 15.67 | 0.34 | 0.11 | 10 | 15.46 | 0.44 | 0.14 | 0.08 |
| | 5 | 10 | 20.75 | 0.42 | 0.13 | 10 | 20.60 | 0.42 | 0.13 | 10 | 20.52 | 0.41 | 0.13 | 0.07 |
| | 9 | 10 | 9.35 | 1.21 | 0.38 | 10 | 8.00 | 0.91 | 0.29 | 10 | 7.68 | 1.10 | 0.35 | 0.51 |
| | 1 | 10 | 2.21 | 0.23 | 0.07 | 10 | 2.17 | 0.20 | 0.06 | 10 | 2.23 | 0.25 | 0.08 | 0.02 |
| | 2 | 10 | 5.34 | 0.78 | 0.25 | 10 | 5.50 | 0.20 | 0.06 | 10 | 5.39 | 0.30 | 0.09 | 0.05 |
| 600-Minute | 3 | 10 | 10.12 | 0.49 | 0.15 | 10 | 10.20 | 0.28 | 0.09 | 10 | 10.08 | 0.60 | 0.19 | 0.03 |
| | 4 | 10 | 15.33 | 0.50 | 0.16 | 10 | 15.37 | 0.58 | 0.18 | 10 | 15.82 | 0.36 | 0.11 | 0.16 |
| | 5 | 10 | 20.73 | 0.49 | 0.16 | 10 | 20.88 | 0.71 | 0.22 | 10 | 20.52 | 0.24 | 0.08 | 0.10 |
| | 9 | 10 | 8.61 | 1.57 | 0.50 | 10 | 9.76 | 1.34 | 0.42 | 10 | 9.57 | 1.03 | 0.32 | 0.36 |
| | 1 | 10 | 2.18 | 0.15 | 0.05 | 10 | 2.06 | 0.26 | 0.08 | 10 | 2.15 | 0.26 | 0.08 | 0.04 |
| | 2 | 10 | 5.67 | 0.33 | 0.10 | 10 | 5.57 | 0.23 | 0.07 | 10 | 5.55 | 0.33 | 0.10 | 0.04 |
| | 3 | 10 | 10.24 | 0.48 | 0.15 | 10 | 9.84 | 0.39 | 0.12 | 10 | 9.88 | 0.62 | 0.20 | 0.13 |
| | 4 | 10 | 15.49 | 0.70 | 0.22 | 10 | 15.56 | 0.41 | 0.13 | 10 | 15.35 | 0.55 | 0.17 | 0.06 |
| | 5 | 10 | 20.90 | 0.44 | 0.14 | 10 | 20.93 | 0.45 | 0.14 | 10 | 21.24 | 0.57 | 0.18 | 0.11 |
| | 9 | 10 | 9.44 | 1.82 | 0.57 | 10 | 9.00 | 1.20 | 0.38 | 10 | 9.61 | 2.00 | 0.63 | 0.18 |

PARAMETER = Mean Frequency
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | | Windows 11-20 | | | | Windows 21-30 | | | | Grand Mean | | | |
|------------|------------|--------------|-------|------|------|---------------|-------|------|------|---------------|-------|------|------|------------|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | Mean | Std. | S.E. | |
| Baseline | 1 | 10 | 2.34 | 0.32 | 0.10 | 10 | 2.30 | 0.33 | 0.10 | 10 | 2.20 | 0.19 | 0.06 | 3 | 2.28 | 0.07 | 0.04 |
| | 2 | 10 | 5.42 | 0.34 | 0.11 | 10 | 5.43 | 0.20 | 0.06 | 10 | 5.38 | 0.26 | 0.08 | 3 | 5.41 | 0.03 | 0.02 |
| | 3 | 10 | 9.85 | 0.34 | 0.11 | 10 | 10.03 | 0.39 | 0.12 | 10 | 9.88 | 0.29 | 0.09 | 3 | 9.92 | 0.10 | 0.06 |
| | 4 | 10 | 14.95 | 0.47 | 0.15 | 10 | 15.29 | 0.44 | 0.14 | 10 | 14.87 | 0.56 | 0.18 | 3 | 15.04 | 0.22 | 0.13 |
| | 5 | 10 | 21.33 | 0.64 | 0.20 | 10 | 20.89 | 0.33 | 0.10 | 10 | 21.51 | 0.41 | 0.13 | 3 | 21.24 | 0.32 | 0.18 |
| 30-Minute | 9 | 10 | 8.59 | 1.43 | 0.45 | 10 | 8.15 | 0.77 | 0.24 | 10 | 7.70 | 0.74 | 0.23 | 3 | 8.15 | 0.44 | 0.26 |
| | 1 | 10 | 2.30 | 0.31 | 0.10 | 10 | 2.27 | 0.20 | 0.06 | 10 | 2.08 | 0.29 | 0.09 | 3 | 2.22 | 0.12 | 0.07 |
| | 2 | 10 | 5.28 | 0.31 | 0.10 | 10 | 5.45 | 0.32 | 0.10 | 10 | 5.44 | 0.24 | 0.07 | 3 | 5.39 | 0.09 | 0.05 |
| | 3 | 10 | 10.10 | 0.27 | 0.09 | 10 | 9.96 | 0.51 | 0.16 | 10 | 10.09 | 0.34 | 0.11 | 3 | 10.05 | 0.08 | 0.04 |
| | 4 | 10 | 15.27 | 0.31 | 0.10 | 10 | 15.08 | 0.49 | 0.15 | 10 | 15.19 | 0.50 | 0.16 | 3 | 15.18 | 0.09 | 0.05 |
| 90-Minute | 5 | 10 | 21.04 | 0.45 | 0.14 | 10 | 20.95 | 0.56 | 0.18 | 10 | 21.02 | 0.35 | 0.11 | 3 | 21.00 | 0.05 | 0.03 |
| | 9 | 10 | 7.27 | 1.11 | 0.35 | 10 | 6.64 | 1.21 | 0.38 | 10 | 6.85 | 0.73 | 0.23 | 3 | 6.92 | 0.32 | 0.18 |
| | 1 | 10 | 2.30 | 0.17 | 0.05 | 10 | 2.17 | 0.32 | 0.10 | 10 | 2.31 | 0.28 | 0.09 | 3 | 2.26 | 0.08 | 0.05 |
| | 2 | 10 | 5.46 | 0.24 | 0.08 | 10 | 5.68 | 0.24 | 0.08 | 10 | 5.73 | 0.43 | 0.13 | 3 | 5.63 | 0.15 | 0.08 |
| | 3 | 10 | 9.89 | 0.48 | 0.15 | 10 | 9.81 | 0.42 | 0.13 | 10 | 9.85 | 0.41 | 0.13 | 3 | 9.85 | 0.04 | 0.02 |
| 300-Minute | 4 | 10 | 14.93 | 0.34 | 0.11 | 10 | 15.30 | 0.40 | 0.13 | 10 | 15.28 | 0.30 | 0.09 | 3 | 15.17 | 0.21 | 0.12 |
| | 5 | 10 | 20.84 | 0.32 | 0.10 | 10 | 20.91 | 0.33 | 0.10 | 10 | 20.75 | 0.59 | 0.19 | 3 | 20.84 | 0.08 | 0.05 |
| | 9 | 10 | 7.82 | 1.46 | 0.46 | 10 | 6.35 | 0.81 | 0.26 | 10 | 7.25 | 0.87 | 0.28 | 3 | 7.14 | 0.74 | 0.43 |
| | 1 | 10 | 2.23 | 0.21 | 0.07 | 10 | 2.23 | 0.23 | 0.07 | 10 | 2.21 | 0.24 | 0.08 | 3 | 2.22 | 0.01 | 0.01 |
| | 2 | 10 | 5.47 | 0.75 | 0.24 | 10 | 5.57 | 0.40 | 0.13 | 10 | 5.48 | 0.30 | 0.09 | 3 | 5.51 | 0.05 | 0.03 |
| 600-Minute | 3 | 10 | 10.07 | 0.43 | 0.14 | 10 | 10.13 | 0.42 | 0.13 | 10 | 9.87 | 0.44 | 0.14 | 3 | 10.02 | 0.13 | 0.08 |
| | 4 | 10 | 15.20 | 0.30 | 0.10 | 10 | 15.34 | 0.66 | 0.21 | 10 | 15.20 | 0.52 | 0.17 | 3 | 15.25 | 0.08 | 0.05 |
| | 5 | 10 | 21.29 | 0.47 | 0.15 | 10 | 21.31 | 0.59 | 0.19 | 10 | 20.71 | 0.60 | 0.19 | 3 | 21.10 | 0.34 | 0.20 |
| | 9 | 10 | 9.31 | 2.24 | 0.71 | 10 | 9.45 | 1.41 | 0.45 | 10 | 8.37 | 1.04 | 0.33 | 3 | 9.04 | 0.59 | 0.34 |
| | 1 | 10 | 2.10 | 0.15 | 0.05 | 10 | 2.02 | 0.26 | 0.08 | 10 | 2.09 | 0.26 | 0.08 | 3 | 2.07 | 0.04 | 0.02 |
| 600-Minute | 2 | 10 | 5.61 | 0.32 | 0.10 | 10 | 5.57 | 0.24 | 0.08 | 10 | 5.68 | 0.34 | 0.11 | 3 | 5.62 | 0.06 | 0.03 |
| | 3 | 10 | 10.12 | 0.46 | 0.15 | 10 | 9.84 | 0.43 | 0.14 | 10 | 9.98 | 0.32 | 0.10 | 3 | 9.98 | 0.14 | 0.08 |
| | 4 | 10 | 15.17 | 0.61 | 0.19 | 10 | 15.23 | 0.40 | 0.13 | 10 | 15.42 | 0.52 | 0.16 | 3 | 15.27 | 0.13 | 0.08 |
| | 5 | 10 | 20.98 | 0.51 | 0.16 | 10 | 20.96 | 0.38 | 0.12 | 10 | 20.85 | 0.80 | 0.25 | 3 | 20.93 | 0.07 | 0.04 |
| | 9 | 10 | 8.14 | 1.27 | 0.40 | 10 | 7.65 | 1.48 | 0.47 | 10 | 9.25 | 2.35 | 0.74 | 3 | 8.35 | 0.82 | 0.47 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. |
|------------|------------|--------------|-------|------|---------------|-------|------|---------------|-------|------|------------|-------|------|
| | | N | Mean | Std. | N | Mean | Std. | N | Mean | Std. | N | Mean | Std. |
| Baseline | 1 | 10 | 2.13 | 0.24 | 10 | 2.22 | 0.28 | 10 | 2.07 | 0.31 | 10 | 2.14 | 0.08 |
| | 2 | 10 | 5.57 | 0.39 | 10 | 5.63 | 0.35 | 10 | 5.52 | 0.40 | 10 | 5.57 | 0.05 |
| | 3 | 10 | 10.34 | 0.50 | 10 | 10.10 | 0.35 | 10 | 10.06 | 0.38 | 10 | 10.17 | 0.15 |
| | 4 | 10 | 14.97 | 0.46 | 10 | 15.20 | 0.42 | 10 | 15.15 | 0.40 | 10 | 15.11 | 0.12 |
| | 5 | 10 | 20.98 | 0.57 | 10 | 20.86 | 0.47 | 10 | 21.18 | 0.40 | 10 | 21.00 | 0.16 |
| 30-Minute | 9 | 10 | 9.89 | 1.52 | 10 | 9.70 | 1.58 | 10 | 7.74 | 1.65 | 10 | 9.11 | 1.19 |
| | 1 | 10 | 1.99 | 0.27 | 10 | 2.05 | 0.31 | 10 | 1.99 | 0.24 | 10 | 2.01 | 0.03 |
| | 2 | 10 | 5.52 | 0.24 | 10 | 5.64 | 0.50 | 10 | 5.65 | 0.30 | 10 | 5.60 | 0.07 |
| | 3 | 10 | 10.17 | 0.39 | 10 | 10.13 | 0.43 | 10 | 9.82 | 0.41 | 10 | 10.04 | 0.19 |
| | 4 | 10 | 15.16 | 0.48 | 10 | 15.47 | 0.36 | 10 | 15.14 | 0.60 | 10 | 15.26 | 0.19 |
| 90-Minute | 5 | 10 | 21.36 | 0.40 | 10 | 21.05 | 0.42 | 10 | 20.96 | 0.46 | 10 | 21.12 | 0.21 |
| | 9 | 10 | 8.66 | 2.25 | 10 | 8.51 | 2.65 | 10 | 7.35 | 1.56 | 10 | 8.17 | 0.71 |
| | 1 | 10 | 2.10 | 0.30 | 10 | 2.16 | 0.32 | 10 | 2.08 | 0.29 | 10 | 2.11 | 0.04 |
| | 2 | 10 | 5.64 | 0.25 | 10 | 5.60 | 0.29 | 10 | 5.75 | 0.26 | 10 | 5.66 | 0.08 |
| | 3 | 10 | 10.02 | 0.34 | 10 | 9.94 | 0.54 | 10 | 9.76 | 0.39 | 10 | 9.91 | 0.14 |
| 300-Minute | 4 | 10 | 15.08 | 0.33 | 10 | 15.39 | 0.51 | 10 | 15.00 | 0.39 | 10 | 15.15 | 0.21 |
| | 5 | 10 | 21.47 | 0.42 | 10 | 21.05 | 0.46 | 10 | 21.23 | 0.64 | 10 | 21.25 | 0.21 |
| | 9 | 10 | 8.12 | 1.88 | 10 | 7.99 | 2.74 | 10 | 7.56 | 2.20 | 10 | 7.89 | 0.30 |
| | 1 | 10 | 1.95 | 0.27 | 10 | 2.24 | 0.30 | 10 | 2.06 | 0.30 | 10 | 2.08 | 0.15 |
| | 2 | 10 | 5.30 | 0.97 | 10 | 5.62 | 0.25 | 10 | 5.68 | 0.39 | 10 | 5.54 | 0.20 |
| 600-Minute | 3 | 10 | 10.26 | 0.30 | 10 | 10.06 | 0.39 | 10 | 10.13 | 0.37 | 10 | 10.15 | 0.10 |
| | 4 | 10 | 15.56 | 0.31 | 10 | 15.41 | 0.40 | 10 | 15.49 | 0.45 | 10 | 15.49 | 0.08 |
| | 5 | 10 | 21.35 | 0.49 | 10 | 21.36 | 0.62 | 10 | 21.22 | 0.40 | 10 | 21.31 | 0.08 |
| | 9 | 10 | 14.25 | 1.63 | 10 | 13.82 | 2.40 | 10 | 11.23 | 2.32 | 10 | 13.10 | 1.64 |
| | 1 | 10 | 2.04 | 0.26 | 10 | 2.08 | 0.27 | 10 | 1.97 | 0.39 | 10 | 2.03 | 0.05 |
| | 2 | 10 | 5.76 | 0.38 | 10 | 5.61 | 0.46 | 10 | 5.77 | 0.30 | 10 | 5.71 | 0.09 |
| | 3 | 10 | 10.17 | 0.45 | 10 | 9.98 | 0.32 | 10 | 10.25 | 0.30 | 10 | 10.13 | 0.14 |
| | 4 | 10 | 15.31 | 0.26 | 10 | 15.10 | 0.34 | 10 | 15.30 | 0.37 | 10 | 15.24 | 0.12 |
| | 5 | 10 | 20.78 | 0.41 | 10 | 21.35 | 0.58 | 10 | 21.10 | 0.79 | 10 | 21.08 | 0.28 |
| | 9 | 10 | 10.20 | 1.88 | 10 | 7.99 | 1.37 | 10 | 11.79 | 2.69 | 10 | 9.99 | 1.91 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | | |
| Baseline | 1 | 10 | 2.38 | 0.33 | 0.10 | 10 | 2.37 | 0.22 | 0.07 | 10 | 2.23 | 0.27 | 0.09 | 0.05 | |
| | 2 | 10 | 5.49 | 0.30 | 0.09 | 10 | 5.59 | 0.31 | 0.10 | 10 | 5.51 | 0.41 | 0.13 | 0.03 | |
| | 3 | 10 | 10.54 | 0.30 | 0.09 | 10 | 10.29 | 0.30 | 0.10 | 10 | 10.00 | 0.46 | 0.14 | 0.15 | |
| | 4 | 10 | 14.88 | 0.20 | 0.06 | 10 | 14.89 | 0.35 | 0.11 | 10 | 14.99 | 0.59 | 0.19 | 0.03 | |
| | 5 | 10 | 21.25 | 0.36 | 0.12 | 10 | 21.14 | 0.54 | 0.17 | 10 | 20.94 | 0.48 | 0.15 | 0.09 | |
| 30-Minute | 9 | 10 | 8.00 | 0.68 | 0.22 | 10 | 8.33 | 1.00 | 0.32 | 10 | 7.24 | 1.24 | 0.39 | 0.32 | |
| | 1 | 10 | 2.21 | 0.33 | 0.10 | 10 | 2.22 | 0.27 | 0.08 | 10 | 2.14 | 0.20 | 0.06 | 0.02 | |
| | 2 | 10 | 5.70 | 0.31 | 0.10 | 10 | 5.62 | 0.35 | 0.11 | 10 | 5.69 | 0.28 | 0.09 | 0.03 | |
| | 3 | 10 | 10.29 | 0.33 | 0.10 | 10 | 9.91 | 0.39 | 0.12 | 10 | 10.08 | 0.47 | 0.15 | 0.11 | |
| | 4 | 10 | 15.01 | 0.43 | 0.14 | 10 | 15.08 | 0.46 | 0.15 | 10 | 14.97 | 0.53 | 0.17 | 0.03 | |
| 90-Minute | 5 | 10 | 20.85 | 0.54 | 0.17 | 10 | 20.70 | 0.53 | 0.17 | 10 | 20.77 | 0.52 | 0.16 | 0.04 | |
| | 9 | 10 | 7.62 | 1.09 | 0.34 | 10 | 7.79 | 1.55 | 0.49 | 10 | 6.83 | 1.66 | 0.52 | 0.30 | |
| | 1 | 10 | 2.11 | 0.20 | 0.06 | 10 | 2.11 | 0.21 | 0.07 | 10 | 2.20 | 0.23 | 0.07 | 0.03 | |
| | 2 | 10 | 5.88 | 0.45 | 0.14 | 10 | 5.57 | 0.25 | 0.08 | 10 | 5.66 | 0.37 | 0.12 | 0.09 | |
| | 3 | 10 | 10.10 | 0.58 | 0.18 | 10 | 9.94 | 0.58 | 0.18 | 10 | 9.96 | 0.23 | 0.07 | 0.05 | |
| 300-Minute | 4 | 10 | 15.32 | 0.45 | 0.14 | 10 | 15.43 | 0.38 | 0.12 | 10 | 15.09 | 0.44 | 0.14 | 0.10 | |
| | 5 | 10 | 21.01 | 0.51 | 0.16 | 10 | 20.49 | 0.52 | 0.16 | 10 | 20.71 | 0.53 | 0.17 | 0.15 | |
| | 9 | 10 | 8.24 | 1.48 | 0.47 | 10 | 6.40 | 0.99 | 0.31 | 10 | 7.30 | 1.72 | 0.54 | 0.53 | |
| | 1 | 10 | 2.30 | 0.30 | 0.09 | 10 | 2.27 | 0.26 | 0.08 | 10 | 2.23 | 0.22 | 0.07 | 0.02 | |
| | 2 | 10 | 5.46 | 0.85 | 0.27 | 10 | 5.59 | 0.38 | 0.12 | 10 | 5.59 | 0.38 | 0.12 | 0.04 | |
| 600-Minute | 3 | 10 | 10.33 | 0.32 | 0.10 | 10 | 10.29 | 0.30 | 0.09 | 10 | 9.94 | 0.39 | 0.12 | 0.12 | |
| | 4 | 10 | 15.09 | 0.41 | 0.13 | 10 | 15.24 | 0.36 | 0.12 | 10 | 15.36 | 0.54 | 0.17 | 0.08 | |
| | 5 | 10 | 20.66 | 0.42 | 0.13 | 10 | 21.00 | 0.53 | 0.17 | 10 | 20.57 | 0.51 | 0.16 | 0.13 | |
| | 9 | 10 | 9.71 | 0.98 | 0.31 | 10 | 9.72 | 1.58 | 0.50 | 10 | 8.77 | 2.00 | 0.63 | 0.13 | |
| | 1 | 10 | 2.11 | 0.27 | 0.08 | 10 | 2.20 | 0.18 | 0.06 | 10 | 2.14 | 0.38 | 0.12 | 0.31 | |
| | 2 | 10 | 5.69 | 0.52 | 0.17 | 10 | 5.81 | 0.42 | 0.13 | 10 | 5.65 | 0.45 | 0.14 | 0.05 | |
| | 3 | 10 | 10.17 | 0.50 | 0.16 | 10 | 9.86 | 0.31 | 0.10 | 10 | 10.05 | 0.52 | 0.16 | 0.03 | |
| | 4 | 10 | 14.99 | 0.50 | 0.16 | 10 | 15.23 | 0.43 | 0.14 | 10 | 15.00 | 0.44 | 0.14 | 0.05 | |
| | 5 | 10 | 20.48 | 0.25 | 0.08 | 10 | 21.03 | 0.42 | 0.13 | 10 | 21.04 | 0.67 | 0.21 | 0.08 | |
| | 9 | 10 | 9.10 | 1.46 | 0.46 | 10 | 8.07 | 1.32 | 0.42 | 10 | 8.43 | 1.17 | 0.37 | 0.18 | |
| | | | | | | | | | | | | 3 | 8.53 | 0.52 | 0.30 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | |
| Baseline | 1 | 10 | 40.76 | 9.90 | 3.13 | 10 | 34.60 | 6.76 | 2.14 | 10 | 36.99 | 13.09 | 4.14 | 1.79 |
| | 2 | 10 | 19.69 | 8.51 | 2.69 | 10 | 20.19 | 5.80 | 1.84 | 10 | 23.37 | 11.10 | 3.51 | 1.15 |
| | 3 | 10 | 16.99 | 4.50 | 1.42 | 10 | 17.25 | 4.00 | 1.27 | 10 | 18.96 | 7.13 | 2.26 | 0.62 |
| | 4 | 10 | 9.29 | 2.94 | 0.93 | 10 | 9.56 | 4.15 | 1.31 | 10 | 7.16 | 2.73 | 0.86 | 0.76 |
| | 5 | 10 | 13.26 | 5.17 | 1.63 | 10 | 18.40 | 5.05 | 1.60 | 10 | 13.52 | 5.60 | 1.77 | 1.67 |
| 30-Minute | 1 | 10 | 34.44 | 8.76 | 2.77 | 10 | 49.98 | 11.86 | 3.75 | 10 | 39.96 | 7.13 | 2.25 | 4.55 |
| | 2 | 10 | 24.48 | 6.77 | 2.14 | 10 | 18.69 | 5.82 | 1.84 | 10 | 23.86 | 8.73 | 2.76 | 1.84 |
| | 3 | 10 | 15.01 | 5.66 | 1.79 | 10 | 10.05 | 6.44 | 2.04 | 10 | 16.14 | 7.09 | 2.24 | 1.87 |
| | 4 | 10 | 10.78 | 4.32 | 1.36 | 10 | 9.12 | 3.49 | 1.10 | 10 | 8.72 | 1.80 | 0.57 | 0.63 |
| | 5 | 10 | 15.28 | 6.61 | 2.09 | 10 | 12.18 | 2.81 | 0.89 | 10 | 11.32 | 2.75 | 0.87 | 1.20 |
| 90-Minute | 1 | 10 | 27.11 | 8.47 | 2.68 | 10 | 38.40 | 9.16 | 2.90 | 10 | 35.12 | 9.09 | 2.88 | 3.35 |
| | 2 | 10 | 24.39 | 8.66 | 2.74 | 10 | 22.37 | 7.55 | 2.39 | 10 | 26.99 | 7.83 | 2.48 | 1.34 |
| | 3 | 10 | 17.81 | 5.06 | 1.60 | 10 | 16.48 | 4.73 | 1.50 | 10 | 17.41 | 6.26 | 1.98 | 0.39 |
| | 4 | 10 | 13.34 | 4.07 | 1.29 | 10 | 8.85 | 2.95 | 0.93 | 10 | 10.97 | 3.81 | 1.20 | 1.30 |
| | 5 | 10 | 17.35 | 6.58 | 2.08 | 10 | 13.89 | 4.65 | 1.47 | 10 | 9.51 | 3.07 | 0.97 | 2.27 |
| 300-Minute | 1 | 10 | 39.21 | 13.28 | 4.20 | 10 | 33.65 | 8.90 | 2.81 | 10 | 35.12 | 6.81 | 2.15 | 1.67 |
| | 2 | 10 | 24.22 | 14.62 | 4.62 | 10 | 18.15 | 5.72 | 1.81 | 10 | 17.54 | 6.46 | 2.04 | 2.13 |
| | 3 | 10 | 11.02 | 4.96 | 1.57 | 10 | 12.96 | 5.98 | 1.89 | 10 | 11.93 | 4.62 | 1.46 | 0.56 |
| | 4 | 10 | 10.46 | 2.20 | 0.69 | 10 | 11.89 | 5.89 | 1.86 | 10 | 13.21 | 5.67 | 1.79 | 0.79 |
| | 5 | 10 | 18.82 | 6.53 | 2.07 | 10 | 23.34 | 9.51 | 3.01 | 10 | 22.21 | 6.25 | 1.98 | 1.36 |
| 600-Minute | 1 | 10 | 30.61 | 12.28 | 3.88 | 10 | 29.52 | 7.51 | 2.37 | 10 | 32.94 | 10.25 | 3.24 | 1.01 |
| | 2 | 10 | 20.46 | 5.63 | 1.78 | 10 | 25.28 | 8.24 | 2.61 | 10 | 19.63 | 6.86 | 2.17 | 1.76 |
| | 3 | 10 | 19.08 | 7.25 | 2.29 | 10 | 16.61 | 4.25 | 1.34 | 10 | 14.35 | 5.75 | 1.82 | 1.36 |
| | 4 | 10 | 10.78 | 2.15 | 0.68 | 10 | 11.79 | 4.18 | 1.32 | 10 | 11.28 | 4.09 | 1.29 | 0.29 |
| | 5 | 10 | 19.08 | 7.34 | 2.32 | 10 | 16.80 | 5.21 | 1.65 | 10 | 21.86 | 9.81 | 3.10 | 1.46 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 35.67 | 10.45 | 3.31 | 10 | 36.90 | 9.68 | 3.06 | 10 | 38.13 | 9.34 | 2.95 |
| | 2 | 10 | 21.03 | 8.83 | 2.79 | 10 | 21.52 | 6.17 | 1.95 | 10 | 24.77 | 10.35 | 3.27 |
| | 3 | 10 | 16.65 | 5.02 | 1.59 | 10 | 18.58 | 5.76 | 1.82 | 10 | 16.60 | 7.18 | 2.27 |
| | 4 | 10 | 10.66 | 3.51 | 1.11 | 10 | 9.71 | 2.08 | 0.66 | 10 | 7.89 | 3.24 | 1.03 |
| | 5 | 10 | 15.98 | 7.02 | 2.22 | 10 | 13.28 | 3.98 | 1.26 | 10 | 12.62 | 3.81 | 1.20 |
| 30-Minute | 1 | 10 | 41.92 | 10.00 | 3.16 | 10 | 48.46 | 14.81 | 4.68 | 10 | 43.16 | 8.37 | 2.65 |
| | 2 | 10 | 24.22 | 5.28 | 1.67 | 10 | 22.34 | 8.13 | 2.57 | 10 | 26.07 | 6.17 | 1.95 |
| | 3 | 10 | 14.99 | 4.56 | 1.44 | 10 | 11.89 | 6.57 | 2.08 | 10 | 13.43 | 5.96 | 1.88 |
| | 4 | 10 | 8.12 | 2.62 | 0.83 | 10 | 8.10 | 4.20 | 1.33 | 10 | 7.89 | 2.43 | 0.77 |
| | 5 | 10 | 10.75 | 4.25 | 1.34 | 10 | 9.21 | 3.45 | 1.09 | 10 | 9.45 | 3.92 | 1.24 |
| 90-Minute | 1 | 10 | 35.33 | 13.73 | 4.34 | 10 | 46.58 | 7.89 | 2.50 | 10 | 33.34 | 10.09 | 3.19 |
| | 2 | 10 | 24.03 | 7.71 | 2.44 | 10 | 23.79 | 8.49 | 2.69 | 10 | 32.56 | 9.74 | 3.08 |
| | 3 | 10 | 19.97 | 7.70 | 2.44 | 10 | 16.33 | 2.87 | 0.91 | 10 | 18.49 | 4.87 | 1.54 |
| | 4 | 10 | 9.52 | 2.78 | 0.88 | 10 | 6.74 | 2.98 | 0.94 | 10 | 8.24 | 3.82 | 1.21 |
| | 5 | 10 | 11.15 | 6.01 | 1.90 | 10 | 6.56 | 3.41 | 1.08 | 10 | 7.38 | 2.72 | 0.86 |
| 300-Minute | 1 | 10 | 37.27 | 15.98 | 5.05 | 10 | 32.52 | 10.57 | 3.34 | 10 | 34.87 | 8.41 | 2.66 |
| | 2 | 10 | 21.62 | 15.35 | 4.86 | 10 | 19.78 | 7.23 | 2.29 | 10 | 23.81 | 4.76 | 1.51 |
| | 3 | 10 | 11.49 | 4.22 | 1.33 | 10 | 17.33 | 8.70 | 2.75 | 10 | 15.26 | 7.23 | 2.29 |
| | 4 | 10 | 9.86 | 2.75 | 0.87 | 10 | 10.23 | 3.15 | 1.00 | 10 | 10.51 | 3.58 | 1.13 |
| | 5 | 10 | 22.47 | 10.48 | 3.32 | 10 | 20.14 | 7.66 | 2.42 | 10 | 15.54 | 5.13 | 1.62 |
| 600-Minute | 1 | 10 | 35.03 | 10.69 | 3.38 | 10 | 35.83 | 12.65 | 4.00 | 10 | 33.08 | 15.18 | 4.80 |
| | 2 | 10 | 23.22 | 9.89 | 3.13 | 10 | 27.63 | 10.02 | 3.17 | 10 | 20.31 | 3.89 | 1.23 |
| | 3 | 10 | 18.92 | 5.40 | 1.71 | 10 | 16.01 | 6.82 | 2.16 | 10 | 14.86 | 5.44 | 1.72 |
| | 4 | 10 | 10.69 | 2.41 | 0.76 | 10 | 8.60 | 3.02 | 0.96 | 10 | 13.95 | 5.24 | 1.66 |
| | 5 | 10 | 12.14 | 6.38 | 2.02 | 10 | 11.92 | 4.40 | 1.39 | 10 | 17.88 | 8.13 | 2.57 |
| | 1 | 10 | 36.90 | 1.23 | 0.71 | 10 | 44.51 | 3.48 | 2.01 | 10 | 38.41 | 7.14 | 4.12 |
| | 2 | 10 | 22.44 | 2.03 | 1.17 | 10 | 24.21 | 1.87 | 1.08 | 10 | 26.79 | 5.00 | 2.88 |
| | 3 | 10 | 17.27 | 1.13 | 0.65 | 10 | 13.44 | 1.55 | 0.89 | 10 | 18.27 | 1.83 | 1.06 |
| | 4 | 10 | 9.42 | 1.41 | 0.81 | 10 | 8.04 | 0.13 | 0.08 | 10 | 8.17 | 1.39 | 0.80 |
| | 5 | 10 | 13.96 | 1.78 | 1.03 | 10 | 9.80 | 0.83 | 0.48 | 10 | 8.36 | 2.45 | 1.41 |
| | 1 | 10 | 34.89 | 2.38 | 1.37 | 10 | 34.89 | 2.38 | 1.37 | 10 | 34.89 | 2.38 | 1.37 |
| | 2 | 10 | 21.74 | 2.02 | 1.16 | 10 | 21.74 | 2.02 | 1.16 | 10 | 21.74 | 2.02 | 1.16 |
| | 3 | 10 | 14.69 | 2.96 | 1.71 | 10 | 14.69 | 2.96 | 1.71 | 10 | 14.69 | 2.96 | 1.71 |
| | 4 | 10 | 10.20 | 0.33 | 0.19 | 10 | 10.20 | 0.33 | 0.19 | 10 | 10.20 | 0.33 | 0.19 |
| | 5 | 10 | 19.38 | 3.52 | 2.04 | 10 | 19.38 | 3.52 | 2.04 | 10 | 19.38 | 3.52 | 2.04 |
| | 1 | 10 | 34.65 | 1.42 | 0.82 | 10 | 34.65 | 1.42 | 0.82 | 10 | 34.65 | 1.42 | 0.82 |
| | 2 | 10 | 23.72 | 3.69 | 2.13 | 10 | 23.72 | 3.69 | 2.13 | 10 | 23.72 | 3.69 | 2.13 |
| | 3 | 10 | 16.60 | 2.09 | 1.21 | 10 | 16.60 | 2.09 | 1.21 | 10 | 16.60 | 2.09 | 1.21 |
| | 4 | 10 | 11.08 | 2.70 | 1.56 | 10 | 11.08 | 2.70 | 1.56 | 10 | 11.08 | 2.70 | 1.56 |
| | 5 | 10 | 13.98 | 3.38 | 1.95 | 10 | 13.98 | 3.38 | 1.95 | 10 | 13.98 | 3.38 | 1.95 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 26.56 | 10.88 | 3.44 | 10 | 26.13 | 11.66 | 3.69 | 10 | 37.87 | 16.52 | 5.22 | 3 | 30.19 | 6.66 | 3.84 |
| | 2 | 10 | 18.69 | 5.14 | 1.62 | 10 | 18.99 | 6.35 | 2.01 | 10 | 22.61 | 8.68 | 2.75 | 3 | 20.10 | 2.18 | 1.26 |
| | 3 | 10 | 18.38 | 8.76 | 2.77 | 10 | 23.05 | 6.77 | 2.14 | 10 | 17.15 | 5.87 | 1.86 | 3 | 19.52 | 3.11 | 1.80 |
| | 4 | 10 | 20.68 | 7.79 | 2.46 | 10 | 16.07 | 4.87 | 1.54 | 10 | 11.62 | 3.42 | 1.08 | 3 | 16.12 | 4.53 | 2.62 |
| | 5 | 10 | 15.69 | 5.52 | 1.74 | 10 | 15.77 | 4.63 | 1.46 | 10 | 10.76 | 5.43 | 1.72 | 3 | 14.07 | 2.87 | 1.66 |
| 30-Minute | 1 | 10 | 33.14 | 14.31 | 4.53 | 10 | 39.25 | 16.59 | 5.25 | 10 | 41.78 | 9.86 | 3.12 | 3 | 38.06 | 4.44 | 2.56 |
| | 2 | 10 | 22.54 | 6.20 | 1.96 | 10 | 18.57 | 6.33 | 2.00 | 10 | 21.08 | 5.65 | 1.79 | 3 | 20.73 | 2.01 | 1.16 |
| | 3 | 10 | 15.78 | 6.18 | 1.95 | 10 | 12.39 | 2.49 | 0.79 | 10 | 16.25 | 3.46 | 1.09 | 3 | 14.81 | 2.11 | 1.22 |
| | 4 | 10 | 15.12 | 9.85 | 3.12 | 10 | 15.26 | 10.24 | 3.24 | 10 | 10.51 | 6.16 | 1.95 | 3 | 13.63 | 2.70 | 1.56 |
| | 5 | 10 | 13.41 | 8.13 | 2.57 | 10 | 14.52 | 7.31 | 2.31 | 10 | 10.38 | 4.71 | 1.49 | 3 | 12.77 | 2.15 | 1.24 |
| 90-Minute | 1 | 10 | 37.32 | 10.20 | 3.22 | 10 | 37.71 | 15.47 | 4.89 | 10 | 37.24 | 14.36 | 4.54 | 3 | 37.42 | 0.25 | 0.15 |
| | 2 | 10 | 22.63 | 8.85 | 2.80 | 10 | 24.26 | 9.98 | 3.15 | 10 | 26.67 | 11.16 | 3.53 | 3 | 24.52 | 2.03 | 1.17 |
| | 3 | 10 | 15.17 | 2.51 | 0.79 | 10 | 14.70 | 4.42 | 1.40 | 10 | 15.52 | 6.22 | 1.97 | 3 | 15.13 | 0.41 | 0.24 |
| | 4 | 10 | 12.30 | 6.65 | 2.10 | 10 | 9.93 | 6.77 | 2.14 | 10 | 10.59 | 6.52 | 2.06 | 3 | 10.94 | 1.22 | 0.71 |
| | 5 | 10 | 12.58 | 6.29 | 1.99 | 10 | 13.41 | 10.09 | 3.19 | 10 | 9.99 | 6.35 | 2.01 | 3 | 11.99 | 1.78 | 1.03 |
| 300-Minute | 1 | 10 | 15.39 | 7.36 | 2.33 | 10 | 16.25 | 8.92 | 2.82 | 10 | 26.08 | 9.92 | 3.14 | 3 | 19.24 | 5.94 | 3.43 |
| | 2 | 10 | 15.69 | 11.86 | 3.75 | 10 | 13.13 | 4.68 | 1.48 | 10 | 15.36 | 10.18 | 3.22 | 3 | 14.72 | 1.39 | 0.80 |
| | 3 | 10 | 10.18 | 3.60 | 1.14 | 10 | 12.87 | 3.77 | 1.19 | 10 | 14.58 | 4.97 | 1.57 | 3 | 12.54 | 2.22 | 1.28 |
| | 4 | 10 | 19.23 | 3.50 | 1.11 | 10 | 15.47 | 4.64 | 1.47 | 10 | 17.03 | 7.82 | 2.47 | 3 | 17.24 | 1.89 | 1.09 |
| | 5 | 10 | 43.22 | 10.64 | 3.37 | 10 | 42.28 | 14.44 | 4.57 | 10 | 26.96 | 11.92 | 3.77 | 3 | 37.49 | 9.13 | 5.27 |
| 600-Minute | 1 | 10 | 25.55 | 7.87 | 2.49 | 10 | 36.80 | 7.81 | 2.47 | 10 | 24.00 | 8.34 | 2.64 | 3 | 28.79 | 6.98 | 4.03 |
| | 2 | 10 | 21.21 | 6.54 | 2.07 | 10 | 24.24 | 5.70 | 1.80 | 10 | 13.40 | 5.48 | 1.73 | 3 | 19.62 | 5.59 | 3.23 |
| | 3 | 10 | 17.25 | 4.66 | 1.47 | 10 | 15.86 | 4.31 | 1.36 | 10 | 17.09 | 5.84 | 1.85 | 3 | 16.73 | 0.76 | 0.44 |
| | 4 | 10 | 14.04 | 4.29 | 1.36 | 10 | 10.54 | 3.10 | 0.98 | 10 | 17.90 | 8.23 | 2.60 | 3 | 14.16 | 3.68 | 2.12 |
| | 5 | 10 | 21.95 | 9.50 | 3.01 | 10 | 12.56 | 6.30 | 1.99 | 10 | 28.40 | 14.04 | 4.44 | 3 | 20.97 | 7.96 | 4.60 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 37.21 | 7.32 | 2.31 | 10 | 34.45 | 11.10 | 3.51 | 10 | 37.38 | 13.97 | 4.42 |
| | 2 | 10 | 21.07 | 5.39 | 1.71 | 10 | 19.57 | 5.44 | 1.72 | 10 | 24.43 | 9.26 | 2.93 |
| | 3 | 10 | 18.17 | 6.43 | 2.03 | 10 | 23.47 | 9.09 | 2.87 | 10 | 22.67 | 4.74 | 1.50 |
| | 4 | 10 | 15.00 | 3.63 | 1.15 | 10 | 11.83 | 4.13 | 1.31 | 10 | 7.84 | 3.32 | 1.05 |
| | 5 | 10 | 8.55 | 1.67 | 0.53 | 10 | 10.69 | 2.64 | 0.83 | 10 | 7.68 | 3.84 | 1.21 |
| 30-Minute | 1 | 10 | 36.40 | 11.60 | 3.67 | 10 | 37.46 | 11.00 | 3.48 | 10 | 43.48 | 13.76 | 4.35 |
| | 2 | 10 | 25.88 | 7.74 | 2.45 | 10 | 24.99 | 7.27 | 2.30 | 10 | 23.58 | 8.75 | 2.77 |
| | 3 | 10 | 16.63 | 5.06 | 1.60 | 10 | 12.78 | 5.33 | 1.69 | 10 | 15.42 | 5.61 | 1.77 |
| | 4 | 10 | 12.93 | 4.55 | 1.44 | 10 | 15.19 | 7.94 | 2.51 | 10 | 10.83 | 6.33 | 2.00 |
| | 5 | 10 | 8.16 | 1.78 | 0.56 | 10 | 9.58 | 4.10 | 1.30 | 10 | 6.68 | 2.61 | 0.83 |
| 90-Minute | 1 | 10 | 36.82 | 11.91 | 3.77 | 10 | 49.09 | 7.75 | 2.45 | 10 | 39.18 | 12.97 | 4.10 |
| | 2 | 10 | 22.78 | 4.64 | 1.47 | 10 | 22.62 | 9.49 | 3.00 | 10 | 24.24 | 5.14 | 1.62 |
| | 3 | 10 | 13.94 | 5.26 | 1.66 | 10 | 12.21 | 4.65 | 1.47 | 10 | 17.33 | 6.18 | 1.95 |
| | 4 | 10 | 14.76 | 5.41 | 1.71 | 10 | 8.03 | 4.09 | 1.29 | 10 | 11.24 | 9.02 | 2.85 |
| | 5 | 10 | 11.70 | 4.74 | 1.50 | 10 | 8.04 | 4.23 | 1.34 | 10 | 8.01 | 3.09 | 0.98 |
| 300-Minute | 1 | 10 | 30.40 | 10.34 | 3.27 | 10 | 32.65 | 8.85 | 2.80 | 10 | 37.18 | 10.71 | 3.39 |
| | 2 | 10 | 21.40 | 11.25 | 3.56 | 10 | 18.14 | 4.86 | 1.54 | 10 | 16.99 | 7.36 | 2.33 |
| | 3 | 10 | 16.27 | 6.02 | 1.90 | 10 | 13.46 | 4.72 | 1.49 | 10 | 16.80 | 6.45 | 2.04 |
| | 4 | 10 | 19.08 | 6.56 | 2.07 | 10 | 16.21 | 6.59 | 2.08 | 10 | 12.52 | 5.92 | 1.87 |
| | 5 | 10 | 16.79 | 5.16 | 1.63 | 10 | 19.54 | 7.08 | 2.24 | 10 | 16.51 | 10.06 | 3.18 |
| 600-Minute | 1 | 10 | 27.67 | 10.95 | 3.46 | 10 | 37.09 | 11.94 | 3.78 | 10 | 35.22 | 9.99 | 3.16 |
| | 2 | 10 | 19.38 | 4.21 | 1.33 | 10 | 21.28 | 6.03 | 1.91 | 10 | 21.28 | 7.51 | 2.38 |
| | 3 | 10 | 25.32 | 7.56 | 2.39 | 10 | 17.48 | 4.31 | 1.36 | 10 | 17.61 | 4.99 | 1.58 |
| | 4 | 10 | 14.75 | 6.33 | 2.00 | 10 | 13.53 | 4.74 | 1.50 | 10 | 14.64 | 5.90 | 1.87 |
| | 5 | 10 | 12.88 | 2.96 | 0.94 | 10 | 10.61 | 3.39 | 1.07 | 10 | 11.97 | 5.11 | 1.62 |
| | 1 | 10 | 36.34 | 1.65 | 0.95 | 3 | 36.34 | 1.65 | 0.95 | 3 | 36.34 | 1.65 | 0.95 |
| | 2 | 10 | 21.69 | 2.49 | 1.44 | 3 | 21.69 | 2.49 | 1.44 | 3 | 21.69 | 2.49 | 1.44 |
| | 3 | 10 | 21.44 | 2.86 | 1.65 | 3 | 21.44 | 2.86 | 1.65 | 3 | 21.44 | 2.86 | 1.65 |
| | 4 | 10 | 11.55 | 3.59 | 2.07 | 3 | 11.55 | 3.59 | 2.07 | 3 | 11.55 | 3.59 | 2.07 |
| | 5 | 10 | 8.97 | 1.54 | 0.89 | 3 | 8.97 | 1.54 | 0.89 | 3 | 8.97 | 1.54 | 0.89 |
| | 1 | 10 | 39.12 | 3.82 | 2.20 | 3 | 39.12 | 3.82 | 2.20 | 3 | 39.12 | 3.82 | 2.20 |
| | 2 | 10 | 24.81 | 1.16 | 0.67 | 3 | 24.81 | 1.16 | 0.67 | 3 | 24.81 | 1.16 | 0.67 |
| | 3 | 10 | 14.94 | 1.97 | 1.14 | 3 | 14.94 | 1.97 | 1.14 | 3 | 14.94 | 1.97 | 1.14 |
| | 4 | 10 | 12.99 | 2.18 | 1.26 | 3 | 12.99 | 2.18 | 1.26 | 3 | 12.99 | 2.18 | 1.26 |
| | 5 | 10 | 8.14 | 1.45 | 0.84 | 3 | 8.14 | 1.45 | 0.84 | 3 | 8.14 | 1.45 | 0.84 |
| | 1 | 10 | 41.70 | 6.51 | 3.76 | 3 | 41.70 | 6.51 | 3.76 | 3 | 41.70 | 6.51 | 3.76 |
| | 2 | 10 | 23.21 | 0.89 | 0.51 | 3 | 23.21 | 0.89 | 0.51 | 3 | 23.21 | 0.89 | 0.51 |
| | 3 | 10 | 14.49 | 2.60 | 1.50 | 3 | 14.49 | 2.60 | 1.50 | 3 | 14.49 | 2.60 | 1.50 |
| | 4 | 10 | 11.34 | 3.36 | 1.94 | 3 | 11.34 | 3.36 | 1.94 | 3 | 11.34 | 3.36 | 1.94 |
| | 5 | 10 | 9.25 | 2.12 | 1.23 | 3 | 9.25 | 2.12 | 1.23 | 3 | 9.25 | 2.12 | 1.23 |
| | 1 | 10 | 33.41 | 3.45 | 1.99 | 3 | 33.41 | 3.45 | 1.99 | 3 | 33.41 | 3.45 | 1.99 |
| | 2 | 10 | 18.84 | 2.29 | 1.32 | 3 | 18.84 | 2.29 | 1.32 | 3 | 18.84 | 2.29 | 1.32 |
| | 3 | 10 | 15.51 | 1.79 | 1.04 | 3 | 15.51 | 1.79 | 1.04 | 3 | 15.51 | 1.79 | 1.04 |
| | 4 | 10 | 15.94 | 3.29 | 1.90 | 3 | 15.94 | 3.29 | 1.90 | 3 | 15.94 | 3.29 | 1.90 |
| | 5 | 10 | 17.61 | 1.67 | 0.97 | 3 | 17.61 | 1.67 | 0.97 | 3 | 17.61 | 1.67 | 0.97 |
| | 1 | 10 | 33.33 | 4.99 | 2.88 | 3 | 33.33 | 4.99 | 2.88 | 3 | 33.33 | 4.99 | 2.88 |
| | 2 | 10 | 20.65 | 1.10 | 0.63 | 3 | 20.65 | 1.10 | 0.63 | 3 | 20.65 | 1.10 | 0.63 |
| | 3 | 10 | 20.13 | 4.49 | 2.59 | 3 | 20.13 | 4.49 | 2.59 | 3 | 20.13 | 4.49 | 2.59 |
| | 4 | 10 | 14.31 | 0.67 | 0.39 | 3 | 14.31 | 0.67 | 0.39 | 3 | 14.31 | 0.67 | 0.39 |
| | 5 | 10 | 11.82 | 1.14 | 0.66 | 3 | 11.82 | 1.14 | 0.66 | 3 | 11.82 | 1.14 | 0.66 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|--------|--------|---------------|----|--------|---------------|-------|----|------------|--------|-------|---|--------|--------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| 30-Minute | 1 | 10 | 162.80 | 60.25 | 19.05 | 10 | 133.63 | 46.19 | 14.61 | 10 | 172.25 | 68.66 | 21.71 | 3 | 156.23 | 20.13 | 11.62 |
| | 2 | 10 | 107.56 | 56.16 | 17.76 | 10 | 130.87 | 68.24 | 21.58 | 10 | 157.14 | 42.60 | 13.47 | 3 | 131.86 | 24.81 | 14.32 |
| | 3 | 10 | 90.65 | 30.36 | 9.60 | 10 | 125.46 | 53.51 | 16.92 | 10 | 133.97 | 39.75 | 12.57 | 3 | 116.70 | 22.95 | 13.25 |
| | 4 | 10 | 65.64 | 24.24 | 7.67 | 10 | 86.97 | 25.00 | 7.91 | 10 | 86.36 | 25.11 | 7.94 | 3 | 79.66 | 12.14 | 7.01 |
| | 5 | 10 | 174.18 | 35.17 | 11.12 | 10 | 152.25 | 42.18 | 13.34 | 10 | 90.29 | 53.18 | 16.82 | 3 | 138.91 | 43.50 | 25.12 |
| | 6 | 10 | 149.33 | 61.80 | 19.54 | 10 | 115.76 | 41.85 | 13.23 | 10 | 38.14 | 29.72 | 9.40 | 3 | 101.08 | 57.03 | 32.93 |
| | 7 | 10 | 289.82 | 26.58 | 8.41 | 10 | 186.57 | 25.10 | 7.94 | 10 | 88.01 | 37.58 | 11.88 | 3 | 188.13 | 100.91 | 58.26 |
| | 8 | 10 | 2.79 | 1.33 | 0.42 | 10 | 3.05 | 0.67 | 0.21 | 10 | 1.52 | 0.90 | 0.28 | 3 | 2.45 | 0.82 | 0.47 |
| | 9 | 10 | 600.83 | 115.40 | 36.49 | 10 | 629.18 | 134.48 | 42.52 | 10 | 640.03 | 108.96 | 34.45 | 3 | 623.34 | 20.24 | 11.69 |
| 90-Minute | 1 | 10 | 70.11 | 32.98 | 10.43 | 10 | 100.76 | 40.87 | 12.92 | 10 | 111.53 | 38.18 | 12.07 | 3 | 94.14 | 21.49 | 12.41 |
| | 2 | 10 | 92.34 | 23.88 | 7.55 | 10 | 94.36 | 34.79 | 11.00 | 10 | 116.15 | 45.74 | 14.47 | 3 | 100.95 | 13.20 | 7.62 |
| | 3 | 10 | 91.51 | 34.73 | 10.98 | 10 | 105.16 | 41.95 | 13.27 | 10 | 112.17 | 46.75 | 14.78 | 3 | 102.95 | 10.50 | 6.06 |
| | 4 | 10 | 93.17 | 23.70 | 7.50 | 10 | 78.06 | 19.66 | 6.22 | 10 | 86.28 | 35.90 | 11.35 | 3 | 85.84 | 7.56 | 4.37 |
| | 5 | 10 | 169.23 | 30.19 | 9.55 | 10 | 155.01 | 58.43 | 18.48 | 10 | 220.86 | 104.11 | 32.92 | 3 | 181.70 | 34.65 | 20.01 |
| | 6 | 10 | 140.75 | 74.57 | 23.58 | 10 | 94.74 | 56.97 | 18.02 | 10 | 110.69 | 32.37 | 10.23 | 3 | 115.39 | 23.36 | 13.49 |
| | 7 | 10 | 277.73 | 81.62 | 25.81 | 10 | 237.71 | 64.61 | 20.43 | 10 | 320.71 | 112.88 | 35.70 | 3 | 278.72 | 41.51 | 23.97 |
| | 8 | 10 | 3.62 | 2.39 | 0.76 | 10 | 2.67 | 1.56 | 0.49 | 10 | 3.71 | 2.18 | 0.69 | 3 | 3.33 | 0.58 | 0.33 |
| | 9 | 10 | 516.36 | 81.18 | 25.67 | 10 | 533.36 | 121.71 | 38.49 | 10 | 646.99 | 187.85 | 59.40 | 3 | 565.57 | 71.02 | 41.00 |
| 300-Minute | 1 | 10 | 97.04 | 34.11 | 10.79 | 10 | 131.34 | 50.66 | 16.02 | 10 | 92.36 | 40.76 | 12.89 | 3 | 106.91 | 21.28 | 12.29 |
| | 2 | 10 | 119.42 | 110.44 | 34.92 | 10 | 161.22 | 95.43 | 30.18 | 10 | 102.87 | 40.08 | 12.67 | 3 | 127.83 | 30.07 | 17.36 |
| | 3 | 10 | 114.86 | 37.43 | 11.84 | 10 | 92.14 | 27.99 | 8.85 | 10 | 108.27 | 35.80 | 11.32 | 3 | 105.09 | 11.69 | 6.75 |
| | 4 | 10 | 88.20 | 25.95 | 8.21 | 10 | 63.97 | 15.54 | 4.92 | 10 | 75.79 | 19.95 | 6.31 | 3 | 75.99 | 12.12 | 7.00 |
| | 5 | 10 | 219.49 | 86.45 | 27.34 | 10 | 146.93 | 60.19 | 19.03 | 10 | 141.43 | 62.56 | 19.78 | 3 | 169.29 | 43.57 | 25.15 |
| | 6 | 10 | 123.56 | 58.47 | 18.49 | 10 | 70.87 | 34.19 | 10.81 | 10 | 78.55 | 32.31 | 10.22 | 3 | 90.99 | 28.46 | 16.43 |
| | 7 | 10 | 268.21 | 87.41 | 27.64 | 10 | 216.49 | 79.46 | 25.13 | 10 | 195.29 | 51.34 | 16.24 | 3 | 226.66 | 37.51 | 21.66 |
| | 8 | 10 | 4.10 | 1.87 | 0.59 | 10 | 2.58 | 1.49 | 0.47 | 10 | 2.53 | 1.24 | 0.39 | 3 | 3.07 | 0.89 | 0.51 |
| | 9 | 10 | 639.01 | 178.40 | 56.42 | 10 | 595.59 | 94.54 | 29.90 | 10 | 520.72 | 132.55 | 41.91 | 3 | 585.11 | 59.84 | 34.55 |
| 600-Minute | 1 | 10 | 80.82 | 21.54 | 6.81 | 10 | 83.70 | 27.46 | 8.68 | 10 | 142.94 | 63.25 | 20.00 | 3 | 102.48 | 35.06 | 20.24 |
| | 2 | 10 | 100.78 | 40.97 | 12.96 | 10 | 95.37 | 36.10 | 11.42 | 10 | 94.46 | 52.05 | 16.46 | 3 | 96.87 | 3.42 | 1.97 |
| | 3 | 10 | 77.58 | 41.14 | 13.01 | 10 | 64.41 | 34.61 | 10.95 | 10 | 110.58 | 71.82 | 22.71 | 3 | 84.19 | 23.78 | 13.73 |
| | 4 | 10 | 61.61 | 20.77 | 6.57 | 10 | 52.87 | 21.03 | 6.65 | 10 | 72.63 | 27.32 | 8.64 | 3 | 62.37 | 9.90 | 5.72 |
| | 5 | 10 | 115.01 | 32.98 | 10.43 | 10 | 163.16 | 71.02 | 22.46 | 10 | 103.21 | 42.07 | 13.30 | 3 | 127.13 | 31.76 | 18.33 |
| | 6 | 10 | 77.51 | 29.93 | 9.47 | 10 | 104.52 | 43.45 | 13.74 | 10 | 48.97 | 13.97 | 4.42 | 3 | 77.00 | 27.78 | 16.04 |
| | 7 | 10 | 210.42 | 83.07 | 26.27 | 10 | 186.20 | 38.85 | 12.28 | 10 | 210.53 | 100.02 | 31.63 | 3 | 202.38 | 14.01 | 8.09 |
| | 8 | 10 | 2.56 | 1.32 | 0.42 | 10 | 2.32 | 1.06 | 0.33 | 10 | 2.37 | 1.39 | 0.44 | 3 | 2.42 | 0.13 | 0.07 |
| | 9 | 10 | 435.80 | 85.86 | 27.15 | 10 | 433.45 | 90.09 | 28.49 | 10 | 523.82 | 173.25 | 54.79 | 3 | 464.36 | 51.51 | 29.74 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|--------|--------|---------------|----|--------|---------------|-------|----|------------|--------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| 30-Minute | 1 | 10 | 164.18 | 65.41 | 20.69 | 10 | 130.87 | 46.24 | 14.62 | 10 | 149.93 | 52.91 | 16.73 |
| | 2 | 10 | 115.77 | 68.10 | 21.54 | 10 | 117.06 | 48.52 | 15.34 | 10 | 145.66 | 44.59 | 14.10 |
| | 3 | 10 | 90.84 | 34.28 | 10.84 | 10 | 135.30 | 27.29 | 8.63 | 10 | 128.66 | 38.16 | 12.07 |
| | 4 | 10 | 92.96 | 38.88 | 12.30 | 10 | 94.27 | 29.53 | 9.34 | 10 | 109.88 | 42.94 | 13.58 |
| | 5 | 10 | 156.63 | 26.68 | 8.44 | 10 | 133.74 | 33.49 | 10.59 | 10 | 160.05 | 51.38 | 16.25 |
| | 6 | 10 | 96.06 | 31.19 | 9.86 | 10 | 119.99 | 42.17 | 13.33 | 10 | 63.49 | 18.29 | 5.78 |
| | 7 | 10 | 203.67 | 33.35 | 10.55 | 10 | 172.73 | 39.56 | 12.51 | 10 | 161.03 | 27.80 | 8.79 |
| | 8 | 10 | 2.38 | 1.29 | 0.41 | 10 | 2.05 | 0.99 | 0.31 | 10 | 1.44 | 0.82 | 0.26 |
| | 9 | 10 | 620.37 | 112.39 | 35.54 | 10 | 611.24 | 84.73 | 26.80 | 10 | 694.17 | 137.77 | 43.57 |
| 90-Minute | 1 | 10 | 95.02 | 37.85 | 11.97 | 10 | 126.40 | 66.73 | 21.10 | 10 | 117.44 | 30.95 | 9.79 |
| | 2 | 10 | 104.03 | 33.42 | 10.57 | 10 | 109.96 | 46.03 | 14.55 | 10 | 107.20 | 30.26 | 9.57 |
| | 3 | 10 | 87.23 | 44.65 | 14.12 | 10 | 104.56 | 44.73 | 14.14 | 10 | 111.41 | 50.77 | 16.05 |
| | 4 | 10 | 114.09 | 29.83 | 9.43 | 10 | 77.39 | 18.32 | 5.79 | 10 | 85.42 | 38.92 | 12.31 |
| | 5 | 10 | 150.31 | 36.84 | 11.65 | 10 | 137.89 | 47.67 | 15.07 | 10 | 183.18 | 71.09 | 22.48 |
| | 6 | 10 | 105.68 | 83.62 | 26.44 | 10 | 67.34 | 36.90 | 11.67 | 10 | 97.50 | 57.55 | 18.20 |
| | 7 | 10 | 237.70 | 105.49 | 33.36 | 10 | 165.82 | 38.24 | 12.09 | 10 | 212.41 | 81.70 | 25.84 |
| | 8 | 10 | 2.54 | 1.49 | 0.47 | 10 | 1.86 | 1.02 | 0.32 | 10 | 1.75 | 0.54 | 0.17 |
| | 9 | 10 | 550.68 | 68.08 | 21.53 | 10 | 556.21 | 117.60 | 37.19 | 10 | 604.65 | 124.26 | 39.30 |
| 300-Minute | 1 | 10 | 81.86 | 32.07 | 10.14 | 10 | 121.77 | 35.09 | 11.10 | 10 | 88.04 | 30.13 | 9.53 |
| | 2 | 10 | 88.50 | 53.56 | 16.94 | 10 | 168.07 | 80.68 | 25.51 | 10 | 95.14 | 22.51 | 7.12 |
| | 3 | 10 | 104.05 | 34.83 | 11.01 | 10 | 90.35 | 34.63 | 10.95 | 10 | 101.12 | 34.25 | 10.83 |
| | 4 | 10 | 83.13 | 22.90 | 7.24 | 10 | 71.53 | 20.30 | 6.42 | 10 | 80.97 | 21.46 | 6.79 |
| | 5 | 10 | 196.22 | 45.98 | 14.54 | 10 | 107.35 | 56.44 | 17.85 | 10 | 127.50 | 26.44 | 8.36 |
| | 6 | 10 | 112.42 | 73.51 | 23.25 | 10 | 53.24 | 27.06 | 8.56 | 10 | 80.15 | 47.06 | 14.88 |
| | 7 | 10 | 222.56 | 74.81 | 23.66 | 10 | 158.78 | 55.41 | 17.52 | 10 | 210.03 | 70.11 | 22.17 |
| | 8 | 10 | 2.43 | 1.50 | 0.47 | 10 | 1.78 | 1.06 | 0.34 | 10 | 2.04 | 0.65 | 0.21 |
| | 9 | 10 | 553.77 | 79.80 | 25.23 | 10 | 559.08 | 58.60 | 18.53 | 10 | 492.78 | 64.26 | 20.32 |
| 600-Minute | 1 | 10 | 82.40 | 24.35 | 7.70 | 10 | 100.31 | 40.08 | 12.68 | 10 | 105.62 | 38.43 | 12.15 |
| | 2 | 10 | 94.37 | 42.95 | 13.58 | 10 | 79.06 | 37.41 | 11.83 | 10 | 81.41 | 50.43 | 15.95 |
| | 3 | 10 | 81.73 | 38.19 | 12.08 | 10 | 73.36 | 32.86 | 10.39 | 10 | 85.22 | 60.75 | 19.21 |
| | 4 | 10 | 50.94 | 20.37 | 6.44 | 10 | 63.17 | 22.94 | 7.26 | 10 | 59.94 | 18.83 | 5.96 |
| | 5 | 10 | 62.93 | 17.65 | 5.58 | 10 | 95.89 | 98.63 | 31.19 | 10 | 49.94 | 15.00 | 4.74 |
| | 6 | 10 | 49.39 | 30.23 | 9.56 | 10 | 55.16 | 20.17 | 6.38 | 10 | 25.21 | 9.71 | 3.07 |
| | 7 | 10 | 89.28 | 57.27 | 18.11 | 10 | 85.36 | 22.68 | 7.17 | 10 | 90.41 | 57.40 | 18.15 |
| | 8 | 10 | 0.74 | 0.67 | 0.21 | 10 | 0.84 | 0.36 | 0.11 | 10 | 0.82 | 0.78 | 0.25 |
| | 9 | 10 | 372.37 | 71.63 | 22.65 | 10 | 380.30 | 92.42 | 29.23 | 10 | 382.13 | 135.15 | 42.74 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|--------|--------|---------------|----|--------|---------------|-------|----|------------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| 30-Minute | 1 | 10 | 45.32 | 24.79 | 7.84 | 10 | 43.07 | 26.95 | 8.52 | 10 | 27.60 | 10.06 | 3.18 |
| | 2 | 10 | 32.26 | 10.62 | 3.36 | 10 | 42.87 | 17.23 | 5.45 | 10 | 35.48 | 12.99 | 4.11 |
| | 3 | 10 | 35.39 | 11.32 | 3.58 | 10 | 44.93 | 16.59 | 5.25 | 10 | 38.46 | 15.50 | 4.90 |
| | 4 | 10 | 46.59 | 16.03 | 5.07 | 10 | 48.55 | 25.42 | 8.04 | 10 | 47.29 | 10.78 | 3.41 |
| | 5 | 10 | 65.43 | 25.85 | 8.18 | 10 | 63.06 | 16.62 | 5.25 | 10 | 55.61 | 15.74 | 4.98 |
| | 6 | 10 | 42.29 | 17.37 | 5.49 | 10 | 35.64 | 13.72 | 4.34 | 10 | 25.62 | 10.77 | 3.41 |
| | 7 | 10 | 133.67 | 46.06 | 14.57 | 10 | 118.58 | 34.69 | 10.97 | 10 | 86.99 | 15.06 | 4.76 |
| | 8 | 10 | 1.97 | 1.06 | 0.33 | 10 | 1.60 | 0.76 | 0.24 | 10 | 0.95 | 0.69 | 0.22 |
| | 9 | 10 | 225.00 | 54.80 | 17.33 | 10 | 242.48 | 64.67 | 20.45 | 10 | 204.44 | 35.05 | 11.08 |
| 90-Minute | 1 | 10 | 34.43 | 10.41 | 3.29 | 10 | 31.86 | 10.41 | 3.29 | 10 | 33.86 | 10.69 | 3.38 |
| | 2 | 10 | 32.30 | 8.90 | 2.81 | 10 | 26.14 | 9.52 | 3.01 | 10 | 46.26 | 23.19 | 7.33 |
| | 3 | 10 | 50.57 | 14.63 | 4.63 | 10 | 36.93 | 14.20 | 4.49 | 10 | 37.78 | 15.80 | 5.00 |
| | 4 | 10 | 51.49 | 27.79 | 8.79 | 10 | 45.77 | 17.58 | 5.56 | 10 | 39.44 | 16.02 | 5.07 |
| | 5 | 10 | 117.19 | 62.35 | 19.72 | 10 | 66.32 | 31.60 | 9.99 | 10 | 45.66 | 24.48 | 7.74 |
| | 6 | 10 | 67.23 | 29.37 | 9.29 | 10 | 32.11 | 20.05 | 6.34 | 10 | 21.49 | 9.41 | 2.98 |
| | 7 | 10 | 198.89 | 74.55 | 23.58 | 10 | 106.03 | 57.11 | 18.06 | 10 | 68.44 | 36.70 | 11.61 |
| | 8 | 10 | 2.70 | 1.67 | 0.53 | 10 | 1.72 | 1.69 | 0.53 | 10 | 0.86 | 0.60 | 0.19 |
| | 9 | 10 | 285.99 | 84.36 | 26.68 | 10 | 207.03 | 43.00 | 13.60 | 10 | 203.00 | 44.16 | 13.96 |
| 300-Minute | 1 | 10 | 35.89 | 12.53 | 3.96 | 10 | 45.26 | 20.13 | 6.37 | 10 | 33.21 | 8.36 | 2.64 |
| | 2 | 10 | 36.18 | 16.78 | 5.31 | 10 | 39.41 | 13.56 | 4.29 | 10 | 34.70 | 17.81 | 5.63 |
| | 3 | 10 | 35.06 | 8.96 | 2.83 | 10 | 36.58 | 12.23 | 3.87 | 10 | 36.10 | 14.30 | 4.52 |
| | 4 | 10 | 42.47 | 13.16 | 4.16 | 10 | 42.27 | 15.21 | 4.81 | 10 | 42.65 | 14.04 | 4.44 |
| | 5 | 10 | 59.12 | 27.80 | 8.79 | 10 | 44.53 | 14.02 | 4.43 | 10 | 76.17 | 24.65 | 7.80 |
| | 6 | 10 | 37.63 | 20.40 | 6.45 | 10 | 19.92 | 8.01 | 2.53 | 10 | 37.09 | 14.46 | 4.57 |
| | 7 | 10 | 113.59 | 69.44 | 21.96 | 10 | 79.85 | 37.43 | 11.84 | 10 | 110.90 | 28.44 | 8.99 |
| | 8 | 10 | 1.41 | 0.90 | 0.28 | 10 | 0.74 | 0.26 | 0.08 | 10 | 1.41 | 0.70 | 0.22 |
| | 9 | 10 | 208.72 | 43.39 | 13.72 | 10 | 208.05 | 48.18 | 15.24 | 10 | 222.84 | 42.50 | 13.44 |
| 600-Minute | 1 | 10 | 43.98 | 27.50 | 8.70 | 10 | 29.85 | 11.40 | 3.61 | 10 | 42.11 | 24.90 | 7.87 |
| | 2 | 10 | 38.21 | 16.11 | 5.10 | 10 | 32.01 | 17.51 | 5.54 | 10 | 30.11 | 9.84 | 3.11 |
| | 3 | 10 | 41.82 | 11.07 | 3.50 | 10 | 33.93 | 10.77 | 3.41 | 10 | 33.60 | 13.64 | 4.31 |
| | 4 | 10 | 49.57 | 14.78 | 4.67 | 10 | 42.97 | 17.51 | 5.54 | 10 | 27.84 | 7.13 | 2.25 |
| | 5 | 10 | 62.43 | 39.35 | 12.44 | 10 | 89.06 | 52.49 | 16.60 | 10 | 33.18 | 19.32 | 6.11 |
| | 6 | 10 | 50.45 | 45.01 | 14.23 | 10 | 64.13 | 27.31 | 8.64 | 10 | 19.25 | 8.33 | 2.63 |
| | 7 | 10 | 145.17 | 105.69 | 33.42 | 10 | 175.91 | 72.08 | 22.79 | 10 | 60.70 | 39.88 | 12.61 |
| | 8 | 10 | 2.69 | 2.26 | 0.72 | 10 | 2.30 | 1.27 | 0.40 | 10 | 0.61 | 0.39 | 0.12 |
| | 9 | 10 | 235.99 | 37.80 | 11.95 | 10 | 212.22 | 44.97 | 14.22 | 10 | 166.84 | 39.56 | 12.51 |
| | 1 | 10 | 38.66 | 9.64 | 5.57 | 10 | 38.66 | 9.64 | 5.57 | 10 | 38.66 | 9.64 | 5.57 |
| | 2 | 10 | 36.87 | 5.44 | 3.14 | 10 | 36.87 | 5.44 | 3.14 | 10 | 36.87 | 5.44 | 3.14 |
| | 3 | 10 | 39.59 | 4.87 | 2.81 | 10 | 39.59 | 4.87 | 2.81 | 10 | 39.59 | 4.87 | 2.81 |
| | 4 | 10 | 47.47 | 0.99 | 0.57 | 10 | 47.47 | 0.99 | 0.57 | 10 | 47.47 | 0.99 | 0.57 |
| | 5 | 10 | 61.37 | 5.12 | 2.96 | 10 | 61.37 | 5.12 | 2.96 | 10 | 61.37 | 5.12 | 2.96 |
| | 6 | 10 | 34.52 | 8.39 | 4.85 | 10 | 34.52 | 8.39 | 4.85 | 10 | 34.52 | 8.39 | 4.85 |
| | 7 | 10 | 113.08 | 23.82 | 13.75 | 10 | 113.08 | 23.82 | 13.75 | 10 | 113.08 | 23.82 | 13.75 |
| | 8 | 10 | 1.51 | 0.52 | 0.30 | 10 | 1.51 | 0.52 | 0.30 | 10 | 1.51 | 0.52 | 0.30 |
| | 9 | 10 | 223.97 | 19.04 | 10.99 | 10 | 223.97 | 19.04 | 10.99 | 10 | 223.97 | 19.04 | 10.99 |
| | 1 | 10 | 33.38 | 1.35 | 0.78 | 10 | 33.38 | 1.35 | 0.78 | 10 | 33.38 | 1.35 | 0.78 |
| | 2 | 10 | 34.90 | 10.31 | 5.95 | 10 | 34.90 | 10.31 | 5.95 | 10 | 34.90 | 10.31 | 5.95 |
| | 3 | 10 | 41.76 | 7.64 | 4.41 | 10 | 41.76 | 7.64 | 4.41 | 10 | 41.76 | 7.64 | 4.41 |
| | 4 | 10 | 45.57 | 6.03 | 3.48 | 10 | 45.57 | 6.03 | 3.48 | 10 | 45.57 | 6.03 | 3.48 |
| | 5 | 10 | 76.39 | 36.82 | 21.26 | 10 | 76.39 | 36.82 | 21.26 | 10 | 76.39 | 36.82 | 21.26 |
| | 6 | 10 | 40.28 | 23.94 | 13.82 | 10 | 40.28 | 23.94 | 13.82 | 10 | 40.28 | 23.94 | 13.82 |
| | 7 | 10 | 124.45 | 67.15 | 38.77 | 10 | 124.45 | 67.15 | 38.77 | 10 | 124.45 | 67.15 | 38.77 |
| | 8 | 10 | 1.76 | 0.92 | 0.53 | 10 | 1.76 | 0.92 | 0.53 | 10 | 1.76 | 0.92 | 0.53 |
| | 9 | 10 | 232.01 | 46.79 | 27.01 | 10 | 232.01 | 46.79 | 27.01 | 10 | 232.01 | 46.79 | 27.01 |
| | 1 | 10 | 38.12 | 6.33 | 3.65 | 10 | 38.12 | 6.33 | 3.65 | 10 | 38.12 | 6.33 | 3.65 |
| | 2 | 10 | 36.76 | 2.41 | 1.39 | 10 | 36.76 | 2.41 | 1.39 | 10 | 36.76 | 2.41 | 1.39 |
| | 3 | 10 | 35.91 | 0.78 | 0.45 | 10 | 35.91 | 0.78 | 0.45 | 10 | 35.91 | 0.78 | 0.45 |
| | 4 | 10 | 42.46 | 0.19 | 0.11 | 10 | 42.46 | 0.19 | 0.11 | 10 | 42.46 | 0.19 | 0.11 |
| | 5 | 10 | 59.94 | 15.84 | 9.14 | 10 | 59.94 | 15.84 | 9.14 | 10 | 59.94 | 15.84 | 9.14 |
| | 6 | 10 | 31.54 | 10.07 | 5.82 | 10 | 31.54 | 10.07 | 5.82 | 10 | 31.54 | 10.07 | 5.82 |
| | 7 | 10 | 101.45 | 18.75 | 10.83 | 10 | 101.45 | 18.75 | 10.83 | 10 | 101.45 | 18.75 | 10.83 |
| | 8 | 10 | 1.19 | 0.39 | 0.22 | 10 | 1.19 | 0.39 | 0.22 | 10 | 1.19 | 0.39 | 0.22 |
| | 9 | 10 | 213.20 | 8.35 | 4.82 | 10 | 213.20 | 8.35 | 4.82 | 10 | 213.20 | 8.35 | 4.82 |
| | 1 | 10 | 38.64 | 7.68 | 4.43 | 10 | 38.64 | 7.68 | 4.43 | 10 | 38.64 | 7.68 | 4.43 |
| | 2 | 10 | 33.44 | 4.23 | 2.44 | 10 | 33.44 | 4.23 | 2.44 | 10 | 33.44 | 4.23 | 2.44 |
| | 3 | 10 | 36.45 | 4.65 | 2.69 | 10 | 36.45 | 4.65 | 2.69 | 10 | 36.45 | 4.65 | 2.69 |
| | 4 | 10 | 40.13 | 11.14 | 6.43 | 10 | 40.13 | 11.14 | 6.43 | 10 | 40.13 | 11.14 | 6.43 |
| | 5 | 10 | 61.56 | 27.95 | 16.14 | 10 | 61.56 | 27.95 | 16.14 | 10 | 61.56 | 27.95 | 16.14 |
| | 6 | 10 | 44.61 | 23.01 | 13.28 | 10 | 44.61 | 23.01 | 13.28 | 10 | 44.61 | 23.01 | 13.28 |
| | 7 | 10 | 127.26 | 59.65 | 34.44 | 10 | 127.26 | 59.65 | 34.44 | 10 | 127.26 | 59.65 | 34.44 |
| | 8 | 10 | 1.87 | 1.11 | 0.64 | 10 | 1.87 | 1.11 | 0.64 | 10 | 1.87 | 1.11 | 0.64 |
| | 9 | 10 | 205.02 | 35.13 | 20.28 | 10 | 205.02 | 35.13 | 20.28 | 10 | 205.02 | 35.13 | 20.28 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|--------|-------|---------------|----|--------|---------------|-------|----|------------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| 30-Minute | 1 | 10 | 30.34 | 11.75 | 3.71 | 10 | 43.98 | 20.85 | 6.59 | 10 | 37.43 | 21.20 | 6.71 |
| | 2 | 10 | 31.78 | 17.12 | 5.41 | 10 | 33.38 | 14.16 | 4.48 | 10 | 37.13 | 11.53 | 3.65 |
| | 3 | 10 | 35.59 | 21.32 | 6.74 | 10 | 38.20 | 10.91 | 3.45 | 10 | 43.38 | 17.22 | 5.44 |
| | 4 | 10 | 39.80 | 17.03 | 5.38 | 10 | 42.18 | 14.71 | 4.65 | 10 | 41.73 | 14.10 | 4.46 |
| | 5 | 10 | 24.75 | 5.90 | 1.87 | 10 | 24.57 | 6.35 | 2.01 | 10 | 25.39 | 7.44 | 2.35 |
| | 6 | 10 | 11.01 | 4.05 | 1.28 | 10 | 9.10 | 3.29 | 1.04 | 10 | 7.46 | 2.58 | 0.82 |
| | 7 | 10 | 22.17 | 7.33 | 2.32 | 10 | 18.28 | 6.24 | 1.97 | 10 | 14.20 | 5.27 | 1.67 |
| | 8 | 10 | 0.45 | 0.52 | 0.17 | 10 | 0.34 | 0.32 | 0.10 | 10 | 0.18 | 0.29 | 0.09 |
| | 9 | 10 | 162.27 | 55.24 | 17.47 | 10 | 182.32 | 45.66 | 14.44 | 10 | 185.06 | 26.79 | 8.47 |
| 90-Minute | 1 | 10 | 32.96 | 15.92 | 5.04 | 10 | 33.20 | 10.25 | 3.24 | 10 | 40.85 | 22.81 | 7.21 |
| | 2 | 10 | 31.28 | 15.63 | 4.94 | 10 | 33.00 | 15.40 | 4.87 | 10 | 32.75 | 20.69 | 6.54 |
| | 3 | 10 | 50.86 | 33.65 | 10.64 | 10 | 33.08 | 15.95 | 5.04 | 10 | 36.13 | 18.70 | 5.91 |
| | 4 | 10 | 39.71 | 13.65 | 4.32 | 10 | 47.53 | 16.91 | 5.35 | 10 | 34.05 | 14.40 | 4.55 |
| | 5 | 10 | 28.17 | 13.95 | 4.41 | 10 | 22.16 | 4.28 | 1.35 | 10 | 23.61 | 6.12 | 1.93 |
| | 6 | 10 | 17.09 | 9.28 | 2.94 | 10 | 10.88 | 4.73 | 1.50 | 10 | 9.27 | 3.36 | 1.06 |
| | 7 | 10 | 38.08 | 33.32 | 10.54 | 10 | 16.61 | 4.88 | 1.54 | 10 | 14.34 | 3.49 | 1.10 |
| | 8 | 10 | 0.49 | 0.49 | 0.16 | 10 | 0.16 | 0.13 | 0.04 | 10 | 0.12 | 0.15 | 0.05 |
| | 9 | 10 | 182.98 | 75.81 | 23.97 | 10 | 168.97 | 39.84 | 12.60 | 10 | 167.38 | 58.17 | 18.40 |
| 300-Minute | 1 | 10 | 29.77 | 13.95 | 4.41 | 10 | 27.83 | 5.08 | 1.61 | 10 | 28.79 | 12.11 | 3.83 |
| | 2 | 10 | 33.52 | 13.91 | 4.40 | 10 | 35.69 | 14.03 | 4.44 | 10 | 26.82 | 10.12 | 3.20 |
| | 3 | 10 | 41.00 | 15.21 | 4.81 | 10 | 31.53 | 10.53 | 3.33 | 10 | 27.74 | 12.28 | 3.88 |
| | 4 | 10 | 39.99 | 14.80 | 4.68 | 10 | 41.59 | 19.09 | 6.04 | 10 | 38.22 | 14.68 | 4.64 |
| | 5 | 10 | 21.64 | 7.65 | 2.42 | 10 | 18.72 | 7.07 | 2.24 | 10 | 21.12 | 7.22 | 2.28 |
| | 6 | 10 | 11.42 | 3.59 | 1.13 | 10 | 7.86 | 3.02 | 0.96 | 10 | 9.69 | 3.57 | 1.13 |
| | 7 | 10 | 23.03 | 8.57 | 2.71 | 10 | 15.44 | 3.91 | 1.24 | 10 | 18.38 | 4.24 | 1.34 |
| | 8 | 10 | 0.33 | 0.23 | 0.07 | 10 | 0.14 | 0.10 | 0.03 | 10 | 0.19 | 0.15 | 0.05 |
| | 9 | 10 | 165.92 | 46.00 | 14.55 | 10 | 155.36 | 29.47 | 9.32 | 10 | 142.69 | 32.15 | 10.17 |
| 600-Minute | 1 | 10 | 34.48 | 27.99 | 8.85 | 10 | 22.76 | 17.38 | 5.50 | 10 | 39.90 | 43.17 | 13.65 |
| | 2 | 10 | 32.82 | 14.40 | 4.55 | 10 | 29.64 | 11.30 | 3.57 | 10 | 32.37 | 25.27 | 7.99 |
| | 3 | 10 | 34.64 | 8.05 | 2.55 | 10 | 23.83 | 7.12 | 2.25 | 10 | 25.16 | 19.13 | 6.05 |
| | 4 | 10 | 32.29 | 10.04 | 3.18 | 10 | 22.87 | 15.91 | 5.03 | 10 | 21.38 | 8.51 | 2.69 |
| | 5 | 10 | 14.58 | 7.10 | 2.25 | 10 | 23.24 | 29.12 | 9.21 | 10 | 14.43 | 4.14 | 1.31 |
| | 6 | 10 | 5.78 | 4.94 | 1.56 | 10 | 5.74 | 2.02 | 0.64 | 10 | 6.90 | 2.58 | 0.82 |
| | 7 | 10 | 17.49 | 13.85 | 4.38 | 10 | 14.45 | 3.78 | 1.19 | 10 | 11.25 | 3.92 | 1.24 |
| | 8 | 10 | 0.16 | 0.19 | 0.06 | 10 | 0.11 | 0.13 | 0.04 | 10 | 0.11 | 0.13 | 0.04 |
| | 9 | 10 | 148.81 | 32.24 | 10.20 | 10 | 112.66 | 38.33 | 12.12 | 10 | 133.24 | 87.12 | 27.55 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | | | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | | | | |
| 30-Minute | 1 | 10 | 2.50 | 0.53 | 0.17 | 9 | 2.22 | 0.83 | 0.28 | 10 | 2.15 | 0.67 | 0.21 | 3 | 2.29 | 0.18 | 0.11 |
| | 2 | 10 | 5.95 | 0.86 | 0.27 | 9 | 5.17 | 0.71 | 0.24 | 9 | 5.50 | 1.22 | 0.41 | 3 | 5.54 | 0.39 | 0.23 |
| | 3 | 10 | 10.35 | 1.03 | 0.33 | 10 | 10.20 | 1.53 | 0.48 | 10 | 10.35 | 1.23 | 0.39 | 3 | 10.30 | 0.09 | 0.05 |
| | 4 | 10 | 15.55 | 1.42 | 0.45 | 10 | 15.35 | 1.38 | 0.43 | 10 | 16.10 | 1.15 | 0.36 | 3 | 15.67 | 0.39 | 0.22 |
| | 5 | 10 | 22.65 | 0.97 | 0.31 | 10 | 22.90 | 0.84 | 0.27 | 10 | 23.00 | 1.39 | 0.44 | 3 | 22.85 | 0.18 | 0.10 |
| | 9 | 10 | 3.00 | 1.18 | 0.37 | 10 | 11.10 | 10.17 | 3.22 | 10 | 4.00 | 2.75 | 0.87 | 3 | 6.03 | 4.42 | 2.55 |
| 90-Minute | 1 | 8 | 2.56 | 0.62 | 0.22 | 6 | 2.25 | 0.52 | 0.21 | 9 | 2.11 | 0.60 | 0.20 | 3 | 2.31 | 0.23 | 0.13 |
| | 2 | 10 | 5.75 | 1.09 | 0.34 | 10 | 5.50 | 0.47 | 0.15 | 10 | 6.25 | 1.01 | 0.32 | 3 | 5.83 | 0.38 | 0.22 |
| | 3 | 10 | 10.45 | 1.40 | 0.44 | 10 | 10.35 | 1.58 | 0.50 | 10 | 10.15 | 1.16 | 0.37 | 3 | 10.32 | 0.15 | 0.09 |
| | 4 | 10 | 15.45 | 1.54 | 0.49 | 9 | 14.94 | 0.92 | 0.31 | 10 | 15.75 | 1.25 | 0.40 | 3 | 15.38 | 0.41 | 0.24 |
| | 5 | 10 | 22.65 | 1.92 | 0.61 | 10 | 22.20 | 2.06 | 0.65 | 10 | 22.85 | 1.11 | 0.35 | 3 | 22.57 | 0.33 | 0.19 |
| | 9 | 10 | 12.55 | 8.56 | 2.71 | 10 | 11.55 | 8.99 | 2.84 | 10 | 13.75 | 9.81 | 3.10 | 3 | 12.62 | 1.10 | 0.64 |
| 300-Minute | 1 | 8 | 2.69 | 0.53 | 0.19 | 10 | 2.05 | 0.69 | 0.22 | 8 | 2.19 | 0.84 | 0.30 | 3 | 2.31 | 0.34 | 0.19 |
| | 2 | 9 | 5.78 | 0.83 | 0.28 | 10 | 5.90 | 1.17 | 0.37 | 10 | 6.05 | 1.04 | 0.33 | 3 | 5.91 | 0.14 | 0.08 |
| | 3 | 10 | 10.65 | 1.45 | 0.46 | 10 | 10.80 | 1.21 | 0.38 | 10 | 10.55 | 1.17 | 0.37 | 3 | 10.67 | 0.13 | 0.07 |
| | 4 | 10 | 14.55 | 0.90 | 0.28 | 10 | 15.30 | 1.06 | 0.34 | 10 | 15.50 | 1.41 | 0.45 | 3 | 15.12 | 0.50 | 0.29 |
| | 5 | 10 | 23.35 | 1.20 | 0.38 | 10 | 21.75 | 1.65 | 0.52 | 10 | 22.45 | 1.86 | 0.59 | 3 | 22.52 | 0.80 | 0.46 |
| | 9 | 10 | 13.50 | 11.00 | 3.48 | 10 | 8.35 | 7.92 | 2.51 | 10 | 10.10 | 9.45 | 2.99 | 3 | 10.65 | 2.62 | 1.51 |
| 600-Minute | 1 | 10 | 2.70 | 0.63 | 0.20 | 9 | 2.11 | 0.60 | 0.20 | 10 | 2.20 | 0.86 | 0.27 | 3 | 2.34 | 0.32 | 0.18 |
| | 2 | 10 | 5.85 | 0.78 | 0.25 | 9 | 5.39 | 1.05 | 0.35 | 10 | 5.80 | 1.14 | 0.36 | 3 | 5.68 | 0.25 | 0.15 |
| | 3 | 10 | 9.90 | 1.45 | 0.46 | 10 | 9.95 | 1.42 | 0.45 | 10 | 10.20 | 1.03 | 0.33 | 3 | 10.02 | 0.16 | 0.09 |
| | 4 | 10 | 14.95 | 1.50 | 0.47 | 10 | 15.60 | 0.99 | 0.31 | 10 | 15.15 | 1.33 | 0.42 | 3 | 15.23 | 0.33 | 0.19 |
| | 5 | 10 | 21.05 | 2.39 | 0.75 | 10 | 20.00 | 6.97 | 2.20 | 10 | 20.30 | 1.70 | 0.54 | 3 | 20.45 | 0.54 | 0.31 |
| | 9 | 10 | 9.10 | 6.65 | 2.10 | 10 | 12.10 | 9.89 | 3.13 | 10 | 5.00 | 5.90 | 1.86 | 3 | 8.73 | 3.56 | 2.06 |

PARAMETER = Peak Frequency
CHANNEL = 4

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHEUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | | | | |
| 30-Minute | 1 | 8 | 2.62 | 0.64 | 0.23 | 8 | 2.25 | 0.60 | 0.21 | 7 | 2.00 | 0.58 | 0.22 | 3 | 2.29 | 0.31 | 0.18 |
| | 2 | 10 | 6.15 | 1.08 | 0.34 | 10 | 5.55 | 0.80 | 0.25 | 10 | 5.80 | 0.98 | 0.31 | 3 | 5.83 | 0.30 | 0.17 |
| | 3 | 10 | 10.95 | 1.34 | 0.42 | 10 | 9.85 | 1.08 | 0.34 | 10 | 10.90 | 0.99 | 0.31 | 3 | 10.57 | 0.62 | 0.36 |
| | 4 | 10 | 15.70 | 1.48 | 0.47 | 10 | 16.02 | 1.19 | 0.38 | 10 | 15.50 | 1.58 | 0.50 | 3 | 15.74 | 0.26 | 0.15 |
| | 5 | 10 | 20.85 | 2.10 | 0.66 | 10 | 21.85 | 1.49 | 0.47 | 10 | 20.45 | 1.48 | 0.47 | 3 | 21.05 | 0.72 | 0.42 |
| | 9 | 10 | 13.65 | 7.16 | 2.26 | 10 | 12.00 | 7.93 | 2.51 | 10 | 13.20 | 7.35 | 2.32 | 3 | 12.95 | 0.85 | 0.49 |
| 90-Minute | 1 | 9 | 2.28 | 0.62 | 0.21 | 9 | 2.33 | 0.66 | 0.22 | 9 | 2.44 | 0.73 | 0.24 | 3 | 2.35 | 0.08 | 0.05 |
| | 2 | 9 | 6.33 | 0.90 | 0.30 | 10 | 6.07 | 0.62 | 0.20 | 10 | 5.85 | 1.11 | 0.35 | 3 | 6.09 | 0.24 | 0.14 |
| | 3 | 9 | 10.11 | 1.22 | 0.41 | 10 | 10.25 | 1.09 | 0.34 | 10 | 10.85 | 1.29 | 0.41 | 3 | 10.40 | 0.39 | 0.23 |
| | 4 | 9 | 16.06 | 1.40 | 0.47 | 9 | 15.39 | 1.34 | 0.45 | 10 | 15.25 | 1.21 | 0.38 | 3 | 15.56 | 0.43 | 0.25 |
| | 5 | 10 | 21.20 | 2.03 | 0.64 | 10 | 21.10 | 1.87 | 0.59 | 10 | 21.65 | 2.17 | 0.69 | 3 | 21.32 | 0.29 | 0.17 |
| | 9 | 10 | 16.85 | 8.02 | 2.54 | 10 | 12.80 | 8.70 | 2.75 | 10 | 9.85 | 8.45 | 2.67 | 3 | 13.17 | 3.51 | 2.03 |
| 300-Minute | 1 | 9 | 2.44 | 0.88 | 0.29 | 10 | 2.20 | 0.54 | 0.17 | 8 | 2.37 | 0.88 | 0.31 | 3 | 2.34 | 0.13 | 0.07 |
| | 2 | 10 | 6.35 | 1.11 | 0.35 | 9 | 5.67 | 1.15 | 0.38 | 10 | 6.30 | 0.75 | 0.24 | 3 | 6.11 | 0.38 | 0.22 |
| | 3 | 9 | 10.56 | 1.36 | 0.45 | 9 | 10.00 | 0.75 | 0.25 | 10 | 10.75 | 1.65 | 0.52 | 3 | 10.44 | 0.39 | 0.22 |
| | 4 | 10 | 15.55 | 1.36 | 0.43 | 9 | 15.06 | 1.69 | 0.56 | 10 | 15.25 | 1.36 | 0.43 | 3 | 15.29 | 0.25 | 0.14 |
| | 5 | 10 | 20.50 | 1.68 | 0.53 | 10 | 21.75 | 1.75 | 0.55 | 10 | 21.80 | 1.34 | 0.42 | 3 | 21.35 | 0.74 | 0.43 |
| | 9 | 10 | 9.55 | 7.35 | 2.32 | 10 | 6.60 | 4.96 | 1.57 | 10 | 13.25 | 9.71 | 3.07 | 3 | 9.80 | 3.33 | 1.92 |
| 600-Minute | 1 | 10 | 2.65 | 0.71 | 0.22 | 8 | 2.44 | 0.82 | 0.29 | 9 | 2.61 | 0.78 | 0.26 | 3 | 2.57 | 0.11 | 0.07 |
| | 2 | 10 | 6.25 | 1.16 | 0.37 | 10 | 5.95 | 0.83 | 0.26 | 10 | 5.90 | 0.97 | 0.31 | 3 | 6.03 | 0.19 | 0.11 |
| | 3 | 10 | 10.60 | 1.52 | 0.48 | 10 | 11.05 | 1.38 | 0.44 | 10 | 10.40 | 1.29 | 0.41 | 3 | 10.68 | 0.33 | 0.19 |
| | 4 | 10 | 15.75 | 1.42 | 0.45 | 10 | 15.75 | 1.01 | 0.32 | 10 | 15.50 | 1.43 | 0.45 | 3 | 15.67 | 0.14 | 0.08 |
| | 5 | 10 | 21.55 | 1.61 | 0.51 | 10 | 20.60 | 7.04 | 2.23 | 10 | 21.05 | 0.64 | 0.20 | 3 | 21.07 | 0.48 | 0.27 |
| | 9 | 10 | 12.95 | 8.06 | 2.55 | 10 | 16.55 | 7.97 | 2.52 | 10 | 7.40 | 7.13 | 2.25 | 3 | 12.30 | 4.61 | 2.66 |

PARAMETER = Peak Frequency
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| 30-Minute | 1 | 10 | 2.30 | 0.75 | 0.24 | 10 | 2.40 | 0.57 | 0.18 | 8 | 2.25 | 0.60 | 0.21 | 3 | 2.32 | 0.08 | 0.04 |
| | 2 | 10 | 5.95 | 0.96 | 0.30 | 9 | 5.44 | 0.77 | 0.26 | 9 | 5.89 | 0.89 | 0.30 | 3 | 5.76 | 0.28 | 0.16 |
| | 3 | 10 | 10.15 | 1.16 | 0.37 | 10 | 10.50 | 1.37 | 0.43 | 9 | 10.78 | 1.30 | 0.43 | 3 | 10.48 | 0.31 | 0.18 |
| | 4 | 10 | 15.45 | 1.14 | 0.36 | 10 | 15.25 | 1.44 | 0.45 | 10 | 15.10 | 0.84 | 0.27 | 3 | 15.27 | 0.18 | 0.10 |
| | 5 | 10 | 21.40 | 1.79 | 0.57 | 10 | 20.20 | 1.83 | 0.58 | 10 | 20.80 | 1.58 | 0.50 | 3 | 20.80 | 0.60 | 0.35 |
| 90-Minute | 9 | 10 | 7.55 | 6.70 | 2.12 | 10 | 9.55 | 5.68 | 1.80 | 10 | 7.35 | 5.66 | 1.79 | 3 | 8.15 | 1.22 | 0.70 |
| | 1 | 9 | 2.22 | 0.75 | 0.25 | 10 | 2.45 | 0.76 | 0.24 | 9 | 1.89 | 0.49 | 0.16 | 3 | 2.19 | 0.28 | 0.16 |
| | 2 | 10 | 6.65 | 0.58 | 0.18 | 9 | 6.06 | 1.26 | 0.42 | 9 | 6.00 | 0.66 | 0.22 | 3 | 6.24 | 0.36 | 0.21 |
| | 3 | 10 | 10.75 | 1.21 | 0.38 | 10 | 10.45 | 1.44 | 0.46 | 10 | 10.35 | 0.75 | 0.24 | 3 | 10.52 | 0.21 | 0.12 |
| | 4 | 10 | 15.90 | 1.56 | 0.49 | 10 | 14.70 | 1.18 | 0.37 | 10 | 14.85 | 1.18 | 0.37 | 3 | 15.15 | 0.65 | 0.38 |
| 300-Minute | 5 | 10 | 20.30 | 1.90 | 0.60 | 10 | 20.95 | 2.48 | 0.78 | 10 | 20.70 | 2.08 | 0.66 | 3 | 20.65 | 0.33 | 0.19 |
| | 9 | 10 | 7.20 | 4.73 | 1.49 | 10 | 7.70 | 5.68 | 1.80 | 10 | 4.60 | 4.71 | 1.49 | 3 | 6.50 | 1.66 | 0.96 |
| | 1 | 8 | 2.50 | 0.80 | 0.28 | 10 | 2.40 | 0.88 | 0.28 | 9 | 2.17 | 0.71 | 0.24 | 3 | 2.36 | 0.17 | 0.10 |
| | 2 | 9 | 6.50 | 1.12 | 0.37 | 10 | 5.90 | 1.24 | 0.39 | 10 | 6.55 | 0.60 | 0.19 | 3 | 6.32 | 0.36 | 0.21 |
| | 3 | 10 | 10.35 | 1.33 | 0.42 | 10 | 10.10 | 1.37 | 0.43 | 9 | 10.56 | 1.38 | 0.46 | 3 | 10.34 | 0.23 | 0.13 |
| 600-Minute | 4 | 10 | 15.75 | 1.32 | 0.42 | 10 | 14.75 | 1.03 | 0.33 | 10 | 14.90 | 1.47 | 0.46 | 3 | 15.13 | 0.54 | 0.31 |
| | 5 | 10 | 21.55 | 1.74 | 0.55 | 10 | 20.20 | 1.11 | 0.35 | 10 | 22.15 | 1.96 | 0.62 | 3 | 21.30 | 1.00 | 0.58 |
| | 9 | 10 | 7.05 | 4.89 | 1.55 | 10 | 4.80 | 3.58 | 1.13 | 10 | 9.50 | 6.30 | 1.99 | 3 | 7.12 | 2.35 | 1.36 |
| | 1 | 9 | 2.39 | 0.70 | 0.23 | 7 | 2.00 | 0.58 | 0.22 | 9 | 2.39 | 0.78 | 0.26 | 3 | 2.26 | 0.22 | 0.13 |
| | 2 | 10 | 6.55 | 0.83 | 0.26 | 9 | 6.17 | 0.90 | 0.30 | 10 | 5.70 | 1.18 | 0.37 | 3 | 6.14 | 0.43 | 0.25 |
| 600-Minute | 3 | 9 | 9.78 | 1.37 | 0.46 | 9 | 9.94 | 1.53 | 0.51 | 10 | 10.55 | 1.32 | 0.42 | 3 | 10.09 | 0.41 | 0.23 |
| | 4 | 10 | 15.75 | 1.06 | 0.34 | 10 | 15.40 | 1.61 | 0.51 | 10 | 15.10 | 1.20 | 0.38 | 3 | 15.42 | 0.33 | 0.19 |
| | 5 | 10 | 20.60 | 1.88 | 0.60 | 10 | 19.50 | 6.46 | 2.04 | 10 | 20.55 | 1.62 | 0.51 | 3 | 20.22 | 0.62 | 0.36 |
| | 9 | 10 | 8.50 | 4.94 | 1.56 | 10 | 6.55 | 3.61 | 1.14 | 10 | 6.30 | 5.70 | 1.80 | 3 | 7.12 | 1.20 | 0.70 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL E109 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | |
| 30-Minute | 1 | 10 | 2.20 | 0.15 | 0.05 | 10 | 2.22 | 0.18 | 0.06 | 10 | 2.21 | 0.21 | 0.07 |
| | 2 | 10 | 5.52 | 0.38 | 0.12 | 10 | 5.57 | 0.37 | 0.12 | 10 | 5.54 | 0.53 | 0.17 |
| | 3 | 10 | 10.30 | 0.52 | 0.16 | 10 | 10.33 | 0.31 | 0.10 | 10 | 10.24 | 0.26 | 0.08 |
| | 4 | 10 | 15.38 | 0.49 | 0.15 | 10 | 14.67 | 0.47 | 0.15 | 10 | 15.24 | 0.46 | 0.15 |
| | 5 | 10 | 21.67 | 0.32 | 0.10 | 10 | 21.84 | 0.65 | 0.20 | 10 | 21.57 | 0.45 | 0.14 |
| | 9 | 10 | 11.02 | 1.22 | 0.39 | 10 | 10.91 | 0.94 | 0.30 | 10 | 10.92 | 0.63 | 0.20 |
| 90-Minute | 1 | 10 | 2.32 | 0.25 | 0.08 | 10 | 2.37 | 0.31 | 0.10 | 10 | 2.29 | 0.24 | 0.08 |
| | 2 | 10 | 5.85 | 0.33 | 0.10 | 10 | 5.57 | 0.24 | 0.07 | 10 | 5.63 | 0.32 | 0.10 |
| | 3 | 10 | 10.11 | 0.30 | 0.09 | 10 | 10.19 | 0.43 | 0.14 | 10 | 10.23 | 0.29 | 0.09 |
| | 4 | 10 | 15.17 | 0.46 | 0.15 | 10 | 15.16 | 0.35 | 0.11 | 10 | 15.16 | 0.29 | 0.09 |
| | 5 | 10 | 21.24 | 0.46 | 0.15 | 10 | 21.14 | 0.49 | 0.16 | 10 | 21.51 | 0.50 | 0.16 |
| | 9 | 10 | 12.05 | 1.49 | 0.47 | 10 | 10.92 | 1.06 | 0.34 | 10 | 11.83 | 1.45 | 0.46 |
| 300-Minute | 1 | 10 | 2.50 | 0.21 | 0.07 | 10 | 2.32 | 0.20 | 0.06 | 10 | 2.20 | 0.27 | 0.09 |
| | 2 | 10 | 5.62 | 0.50 | 0.16 | 10 | 5.71 | 0.32 | 0.10 | 10 | 5.54 | 0.46 | 0.14 |
| | 3 | 10 | 10.09 | 0.39 | 0.12 | 10 | 10.12 | 0.45 | 0.14 | 10 | 10.24 | 0.30 | 0.10 |
| | 4 | 10 | 15.14 | 0.47 | 0.15 | 10 | 15.44 | 0.66 | 0.21 | 10 | 15.01 | 0.43 | 0.14 |
| | 5 | 10 | 21.89 | 0.45 | 0.14 | 10 | 21.18 | 0.50 | 0.16 | 10 | 21.46 | 0.62 | 0.19 |
| | 9 | 10 | 13.33 | 1.68 | 0.53 | 10 | 9.98 | 2.13 | 0.67 | 10 | 11.58 | 1.11 | 0.35 |
| 600-Minute | 1 | 10 | 2.21 | 0.23 | 0.07 | 10 | 2.16 | 0.33 | 0.10 | 10 | 2.15 | 0.32 | 0.10 |
| | 2 | 10 | 5.92 | 0.36 | 0.11 | 10 | 5.59 | 0.27 | 0.08 | 10 | 5.54 | 0.36 | 0.11 |
| | 3 | 10 | 10.05 | 0.53 | 0.17 | 10 | 10.13 | 0.55 | 0.17 | 10 | 10.04 | 0.36 | 0.11 |
| | 4 | 10 | 15.14 | 0.45 | 0.14 | 10 | 15.21 | 0.54 | 0.17 | 10 | 15.01 | 0.51 | 0.16 |
| | 5 | 10 | 21.55 | 0.59 | 0.19 | 10 | 20.20 | 3.61 | 1.14 | 10 | 21.28 | 0.41 | 0.13 |
| | 9 | 10 | 10.02 | 1.25 | 0.40 | 10 | 9.94 | 1.27 | 0.40 | 10 | 9.36 | 1.24 | 0.39 |
| | 1 | 10 | 2.21 | 0.01 | 0.00 | 3 | 2.21 | 0.01 | 0.00 | 3 | 2.21 | 0.01 | 0.00 |
| | 2 | 10 | 5.54 | 0.02 | 0.01 | 3 | 5.54 | 0.02 | 0.01 | 3 | 5.54 | 0.02 | 0.01 |
| | 3 | 10 | 10.29 | 0.05 | 0.03 | 3 | 10.29 | 0.05 | 0.03 | 3 | 10.29 | 0.05 | 0.03 |
| | 4 | 10 | 15.10 | 0.38 | 0.22 | 3 | 15.10 | 0.38 | 0.22 | 3 | 15.10 | 0.38 | 0.22 |
| | 5 | 10 | 21.69 | 0.14 | 0.08 | 3 | 21.69 | 0.14 | 0.08 | 3 | 21.69 | 0.14 | 0.08 |
| | 9 | 10 | 10.95 | 0.06 | 0.04 | 3 | 10.95 | 0.06 | 0.04 | 3 | 10.95 | 0.06 | 0.04 |
| | 1 | 10 | 2.32 | 0.04 | 0.02 | 3 | 2.32 | 0.04 | 0.02 | 3 | 2.32 | 0.04 | 0.02 |
| | 2 | 10 | 5.68 | 0.15 | 0.09 | 3 | 5.68 | 0.15 | 0.09 | 3 | 5.68 | 0.15 | 0.09 |
| | 3 | 10 | 10.18 | 0.06 | 0.03 | 3 | 10.18 | 0.06 | 0.03 | 3 | 10.18 | 0.06 | 0.03 |
| | 4 | 10 | 15.16 | 0.01 | 0.00 | 3 | 15.16 | 0.01 | 0.00 | 3 | 15.16 | 0.01 | 0.00 |
| | 5 | 10 | 21.30 | 0.19 | 0.11 | 3 | 21.30 | 0.19 | 0.11 | 3 | 21.30 | 0.19 | 0.11 |
| | 9 | 10 | 11.60 | 0.60 | 0.35 | 3 | 11.60 | 0.60 | 0.35 | 3 | 11.60 | 0.60 | 0.35 |
| | 1 | 10 | 2.34 | 0.15 | 0.09 | 3 | 2.34 | 0.15 | 0.09 | 3 | 2.34 | 0.15 | 0.09 |
| | 2 | 10 | 5.62 | 0.08 | 0.05 | 3 | 5.62 | 0.08 | 0.05 | 3 | 5.62 | 0.08 | 0.05 |
| | 3 | 10 | 10.15 | 0.08 | 0.05 | 3 | 10.15 | 0.08 | 0.05 | 3 | 10.15 | 0.08 | 0.05 |
| | 4 | 10 | 15.20 | 0.22 | 0.13 | 3 | 15.20 | 0.22 | 0.13 | 3 | 15.20 | 0.22 | 0.13 |
| | 5 | 10 | 21.51 | 0.36 | 0.21 | 3 | 21.51 | 0.36 | 0.21 | 3 | 21.51 | 0.36 | 0.21 |
| | 9 | 10 | 11.63 | 1.68 | 0.97 | 3 | 11.63 | 1.68 | 0.97 | 3 | 11.63 | 1.68 | 0.97 |
| | 1 | 10 | 2.17 | 0.03 | 0.02 | 3 | 2.17 | 0.03 | 0.02 | 3 | 2.17 | 0.03 | 0.02 |
| | 2 | 10 | 5.69 | 0.21 | 0.12 | 3 | 5.69 | 0.21 | 0.12 | 3 | 5.69 | 0.21 | 0.12 |
| | 3 | 10 | 10.07 | 0.05 | 0.03 | 3 | 10.07 | 0.05 | 0.03 | 3 | 10.07 | 0.05 | 0.03 |
| | 4 | 10 | 15.12 | 0.10 | 0.06 | 3 | 15.12 | 0.10 | 0.06 | 3 | 15.12 | 0.10 | 0.06 |
| | 5 | 10 | 21.01 | 0.71 | 0.41 | 3 | 21.01 | 0.71 | 0.41 | 3 | 21.01 | 0.71 | 0.41 |
| | 9 | 10 | 9.77 | 0.36 | 0.21 | 3 | 9.77 | 0.36 | 0.21 | 3 | 9.77 | 0.36 | 0.21 |

PARAMETER = Mean Frequency
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| 30-Minute | 1 | 10 | 2.07 | 0.31 | 0.10 | 10 | 2.17 | 0.18 | 0.06 | 10 | 2.16 | 0.25 | 0.08 | 3 | 2.13 | 0.06 | 0.03 |
| | 2 | 10 | 5.68 | 0.36 | 0.11 | 10 | 5.56 | 0.26 | 0.08 | 10 | 5.58 | 0.31 | 0.10 | 3 | 5.61 | 0.06 | 0.04 |
| | 3 | 10 | 10.34 | 0.48 | 0.15 | 10 | 10.19 | 0.38 | 0.12 | 10 | 10.23 | 0.34 | 0.11 | 3 | 10.25 | 0.08 | 0.05 |
| | 4 | 10 | 15.37 | 0.30 | 0.09 | 10 | 15.58 | 0.49 | 0.15 | 10 | 15.47 | 0.52 | 0.16 | 3 | 15.47 | 0.10 | 0.06 |
| | 5 | 10 | 20.93 | 0.43 | 0.13 | 10 | 21.22 | 0.69 | 0.22 | 10 | 20.87 | 0.51 | 0.16 | 3 | 21.00 | 0.19 | 0.11 |
| 90-Minute | 9 | 10 | 12.14 | 1.64 | 0.52 | 10 | 11.95 | 1.24 | 0.39 | 10 | 12.47 | 0.90 | 0.29 | 3 | 12.19 | 0.27 | 0.15 |
| | 1 | 10 | 2.16 | 0.18 | 0.06 | 10 | 2.17 | 0.26 | 0.08 | 10 | 2.20 | 0.28 | 0.09 | 3 | 2.17 | 0.02 | 0.01 |
| | 2 | 10 | 5.73 | 0.35 | 0.11 | 10 | 5.85 | 0.33 | 0.10 | 10 | 5.66 | 0.22 | 0.07 | 3 | 5.75 | 0.10 | 0.06 |
| | 3 | 10 | 10.26 | 0.50 | 0.16 | 10 | 10.00 | 0.43 | 0.13 | 10 | 10.43 | 0.43 | 0.14 | 3 | 10.23 | 0.22 | 0.13 |
| | 4 | 10 | 15.30 | 0.64 | 0.20 | 10 | 15.21 | 0.35 | 0.11 | 10 | 15.06 | 0.33 | 0.10 | 3 | 15.19 | 0.12 | 0.07 |
| 300-Minute | 5 | 10 | 21.28 | 0.38 | 0.12 | 10 | 20.94 | 0.58 | 0.18 | 10 | 21.40 | 0.53 | 0.17 | 3 | 21.21 | 0.24 | 0.14 |
| | 9 | 10 | 13.90 | 1.53 | 0.48 | 10 | 12.78 | 1.81 | 0.57 | 10 | 11.40 | 2.00 | 0.63 | 3 | 12.69 | 1.25 | 0.72 |
| | 1 | 10 | 1.99 | 0.23 | 0.07 | 10 | 2.14 | 0.23 | 0.07 | 10 | 2.16 | 0.34 | 0.11 | 3 | 2.10 | 0.09 | 0.05 |
| | 2 | 10 | 5.74 | 0.31 | 0.10 | 10 | 5.73 | 0.38 | 0.12 | 10 | 5.79 | 0.23 | 0.07 | 3 | 5.75 | 0.03 | 0.02 |
| | 3 | 10 | 10.30 | 0.46 | 0.15 | 10 | 10.01 | 0.27 | 0.08 | 10 | 10.13 | 0.38 | 0.12 | 3 | 10.15 | 0.15 | 0.09 |
| 600-Minute | 4 | 10 | 15.27 | 0.45 | 0.14 | 10 | 14.93 | 0.41 | 0.13 | 10 | 15.33 | 0.30 | 0.09 | 3 | 15.18 | 0.21 | 0.12 |
| | 5 | 10 | 21.32 | 0.48 | 0.15 | 10 | 21.21 | 0.50 | 0.16 | 10 | 21.31 | 0.27 | 0.08 | 3 | 21.28 | 0.06 | 0.04 |
| | 9 | 10 | 12.13 | 1.40 | 0.44 | 10 | 10.88 | 1.21 | 0.38 | 10 | 13.04 | 0.88 | 0.28 | 3 | 12.02 | 1.08 | 0.62 |
| | 1 | 10 | 2.21 | 0.34 | 0.11 | 10 | 2.25 | 0.31 | 0.10 | 10 | 2.28 | 0.32 | 0.10 | 3 | 2.25 | 0.04 | 0.02 |
| | 2 | 10 | 5.69 | 0.37 | 0.12 | 10 | 5.64 | 0.38 | 0.12 | 10 | 5.70 | 0.32 | 0.10 | 3 | 5.68 | 0.03 | 0.02 |
| | 3 | 10 | 9.89 | 0.24 | 0.08 | 10 | 10.44 | 0.50 | 0.16 | 10 | 10.15 | 0.47 | 0.15 | 3 | 10.16 | 0.28 | 0.16 |
| | 4 | 10 | 15.23 | 0.41 | 0.13 | 10 | 15.41 | 0.35 | 0.11 | 10 | 15.23 | 0.59 | 0.19 | 3 | 15.29 | 0.10 | 0.06 |
| | 5 | 10 | 21.32 | 0.45 | 0.14 | 10 | 20.70 | 3.02 | 0.95 | 10 | 21.16 | 0.43 | 0.14 | 3 | 21.06 | 0.32 | 0.19 |
| | 9 | 10 | 11.92 | 2.33 | 0.74 | 10 | 13.39 | 1.83 | 0.58 | 10 | 10.46 | 2.00 | 0.63 | 3 | 11.93 | 1.46 | 0.84 |

PARAMETER = Mean Frequency
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | | Windows 11-20 | | | | Windows 21-30 | | | | Grand Mean | | S.E. | |
|------------|------------|--------------|-------|------|------|---------------|-------|------|------|---------------|-------|------|------|------------|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| 30-Minute | 1 | 10 | 2.19 | 0.16 | 0.05 | 10 | 2.32 | 0.24 | 0.08 | 10 | 2.27 | 0.30 | 0.10 | 3 | 2.26 | 0.07 | 0.04 |
| | 2 | 10 | 5.72 | 0.31 | 0.10 | 10 | 5.81 | 0.37 | 0.12 | 10 | 5.76 | 0.35 | 0.11 | 3 | 5.77 | 0.04 | 0.03 |
| | 3 | 10 | 10.17 | 0.37 | 0.12 | 10 | 10.10 | 0.42 | 0.13 | 10 | 10.27 | 0.42 | 0.13 | 3 | 10.18 | 0.09 | 0.05 |
| | 4 | 10 | 15.36 | 0.50 | 0.16 | 10 | 15.07 | 0.50 | 0.16 | 10 | 15.07 | 0.35 | 0.11 | 3 | 15.16 | 0.17 | 0.10 |
| | 5 | 10 | 20.96 | 0.60 | 0.19 | 10 | 20.67 | 0.64 | 0.20 | 10 | 20.78 | 0.71 | 0.23 | 3 | 20.80 | 0.14 | 0.08 |
| 90-Minute | 9 | 10 | 10.88 | 0.68 | 0.22 | 10 | 10.15 | 0.89 | 0.28 | 10 | 10.35 | 1.04 | 0.33 | 3 | 10.46 | 0.37 | 0.22 |
| | 1 | 10 | 2.13 | 0.26 | 0.08 | 10 | 2.22 | 0.29 | 0.09 | 10 | 2.13 | 0.30 | 0.09 | 3 | 2.16 | 0.06 | 0.03 |
| | 2 | 10 | 5.90 | 0.36 | 0.11 | 10 | 5.91 | 0.42 | 0.13 | 10 | 5.55 | 0.28 | 0.09 | 3 | 5.78 | 0.20 | 0.12 |
| | 3 | 10 | 10.34 | 0.46 | 0.15 | 10 | 10.31 | 0.44 | 0.14 | 10 | 10.40 | 0.45 | 0.14 | 3 | 10.35 | 0.04 | 0.03 |
| | 4 | 10 | 15.21 | 0.39 | 0.12 | 10 | 14.79 | 0.38 | 0.12 | 10 | 14.85 | 0.41 | 0.13 | 3 | 14.95 | 0.23 | 0.13 |
| 300-Minute | 5 | 10 | 20.74 | 0.54 | 0.17 | 10 | 20.87 | 0.61 | 0.19 | 10 | 20.72 | 0.42 | 0.13 | 3 | 20.78 | 0.08 | 0.05 |
| | 9 | 10 | 10.90 | 1.34 | 0.42 | 10 | 10.58 | 0.92 | 0.29 | 10 | 9.97 | 1.38 | 0.44 | 3 | 10.48 | 0.47 | 0.27 |
| | 1 | 10 | 2.27 | 0.31 | 0.10 | 10 | 2.19 | 0.17 | 0.05 | 10 | 2.27 | 0.24 | 0.08 | 3 | 2.24 | 0.05 | 0.03 |
| | 2 | 10 | 5.89 | 0.40 | 0.13 | 10 | 5.74 | 0.39 | 0.12 | 10 | 5.76 | 0.26 | 0.08 | 3 | 5.80 | 0.08 | 0.05 |
| | 3 | 10 | 10.17 | 0.51 | 0.16 | 10 | 10.15 | 0.40 | 0.13 | 10 | 10.33 | 0.41 | 0.13 | 3 | 10.22 | 0.10 | 0.06 |
| 600-Minute | 4 | 10 | 15.18 | 0.46 | 0.15 | 10 | 14.97 | 0.33 | 0.11 | 10 | 15.01 | 0.50 | 0.16 | 3 | 15.05 | 0.11 | 0.06 |
| | 5 | 10 | 20.99 | 0.37 | 0.12 | 10 | 20.89 | 0.55 | 0.18 | 10 | 20.97 | 0.67 | 0.21 | 3 | 20.95 | 0.06 | 0.03 |
| | 9 | 10 | 10.72 | 1.31 | 0.41 | 10 | 10.15 | 1.18 | 0.37 | 10 | 10.72 | 1.35 | 0.43 | 3 | 10.53 | 0.33 | 0.19 |
| | 1 | 10 | 2.21 | 0.15 | 0.05 | 10 | 2.08 | 0.20 | 0.06 | 10 | 2.15 | 0.32 | 0.10 | 3 | 2.15 | 0.06 | 0.04 |
| | 2 | 10 | 6.07 | 0.44 | 0.14 | 10 | 5.87 | 0.35 | 0.11 | 10 | 5.58 | 0.32 | 0.10 | 3 | 5.84 | 0.25 | 0.14 |
| 600-Minute | 3 | 10 | 9.87 | 0.44 | 0.14 | 10 | 10.07 | 0.37 | 0.12 | 10 | 10.01 | 0.59 | 0.19 | 3 | 9.98 | 0.10 | 0.06 |
| | 4 | 10 | 15.09 | 0.65 | 0.21 | 10 | 15.03 | 0.50 | 0.16 | 10 | 15.15 | 0.32 | 0.10 | 3 | 15.09 | 0.06 | 0.04 |
| | 5 | 10 | 20.75 | 0.51 | 0.16 | 10 | 19.66 | 3.74 | 1.18 | 10 | 20.83 | 0.68 | 0.22 | 3 | 20.41 | 0.66 | 0.38 |
| | 9 | 10 | 9.66 | 1.80 | 0.57 | 10 | 9.75 | 1.12 | 0.35 | 10 | 9.80 | 2.25 | 0.71 | 3 | 9.74 | 0.07 | 0.04 |

PARAMETER = Percent Power
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| 30-Minute | 1 | 10 | 26.73 | 7.50 | 2.37 | 10 | 21.19 | 5.73 | 1.81 | 10 | 26.29 | 6.42 | 2.03 | 3 | 24.73 | 3.08 | 1.78 |
| | 2 | 10 | 17.79 | 7.89 | 2.50 | 10 | 20.40 | 7.13 | 2.25 | 10 | 25.12 | 7.41 | 2.34 | 3 | 21.10 | 3.72 | 2.15 |
| | 3 | 10 | 14.94 | 3.62 | 1.14 | 10 | 19.57 | 4.33 | 1.37 | 10 | 21.12 | 5.29 | 1.67 | 3 | 18.54 | 3.21 | 1.85 |
| | 4 | 10 | 11.35 | 4.45 | 1.41 | 10 | 14.11 | 4.00 | 1.27 | 10 | 13.94 | 4.90 | 1.55 | 3 | 13.13 | 1.55 | 0.89 |
| | 5 | 10 | 29.19 | 3.83 | 1.21 | 10 | 24.73 | 7.46 | 2.36 | 10 | 13.54 | 5.60 | 1.77 | 3 | 22.49 | 8.06 | 4.65 |
| 90-Minute | 1 | 10 | 13.41 | 5.85 | 1.85 | 10 | 19.35 | 8.10 | 2.56 | 10 | 18.50 | 8.43 | 2.67 | 3 | 17.08 | 3.21 | 1.85 |
| | 2 | 10 | 17.94 | 3.90 | 1.23 | 10 | 17.38 | 4.88 | 1.54 | 10 | 17.61 | 3.84 | 1.22 | 3 | 17.64 | 0.28 | 0.16 |
| | 3 | 10 | 17.70 | 5.69 | 1.80 | 10 | 19.58 | 6.98 | 2.21 | 10 | 17.11 | 4.23 | 1.34 | 3 | 18.13 | 1.29 | 0.74 |
| | 4 | 10 | 18.08 | 3.41 | 1.08 | 10 | 15.08 | 3.68 | 1.16 | 10 | 13.79 | 5.65 | 1.79 | 3 | 15.65 | 2.20 | 1.27 |
| | 5 | 10 | 32.87 | 3.90 | 1.23 | 10 | 28.61 | 6.22 | 1.97 | 10 | 33.00 | 7.89 | 2.49 | 3 | 31.49 | 2.50 | 1.44 |
| 300-Minute | 1 | 10 | 15.34 | 4.19 | 1.33 | 10 | 21.81 | 6.94 | 2.19 | 10 | 18.42 | 7.82 | 2.47 | 3 | 18.53 | 3.24 | 1.87 |
| | 2 | 10 | 17.22 | 8.94 | 2.83 | 10 | 25.94 | 11.62 | 3.67 | 10 | 19.71 | 4.97 | 1.57 | 3 | 20.96 | 4.49 | 2.59 |
| | 3 | 10 | 18.52 | 5.29 | 1.67 | 10 | 15.76 | 4.84 | 1.53 | 10 | 20.82 | 4.57 | 1.44 | 3 | 18.37 | 2.53 | 1.46 |
| | 4 | 10 | 14.16 | 4.27 | 1.35 | 10 | 11.17 | 3.62 | 1.15 | 10 | 14.73 | 2.87 | 0.91 | 3 | 13.35 | 1.91 | 1.10 |
| | 5 | 10 | 34.76 | 11.12 | 3.52 | 10 | 25.32 | 11.04 | 3.49 | 10 | 26.31 | 6.44 | 2.04 | 3 | 28.80 | 5.19 | 2.99 |
| 600-Minute | 1 | 10 | 18.93 | 5.53 | 1.75 | 10 | 18.99 | 3.29 | 1.04 | 10 | 27.32 | 7.20 | 2.28 | 3 | 21.75 | 4.83 | 2.79 |
| | 2 | 10 | 22.70 | 7.11 | 2.25 | 10 | 21.69 | 5.20 | 1.64 | 10 | 17.07 | 4.38 | 1.38 | 3 | 20.49 | 3.00 | 1.73 |
| | 3 | 10 | 17.50 | 6.99 | 2.21 | 10 | 14.27 | 5.45 | 1.72 | 10 | 19.42 | 7.57 | 2.40 | 3 | 17.06 | 2.61 | 1.50 |
| | 4 | 10 | 14.34 | 5.14 | 1.63 | 10 | 12.07 | 3.82 | 1.21 | 10 | 14.10 | 4.46 | 1.41 | 3 | 13.50 | 1.25 | 0.72 |
| | 5 | 10 | 26.53 | 6.02 | 1.90 | 10 | 40.77 | 24.30 | 7.68 | 10 | 22.08 | 11.02 | 3.49 | 3 | 29.80 | 9.76 | 5.64 |

PARAMETER = Percent Power
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| 30-Minute | 1 | 10 | 26.18 | 8.18 | 2.59 | 10 | 21.18 | 6.19 | 1.96 | 10 | 21.39 | 5.00 | 1.58 | 3 | 22.92 | 2.83 | 1.63 |
| | 2 | 10 | 18.30 | 9.07 | 2.87 | 10 | 19.15 | 6.78 | 2.14 | 10 | 20.92 | 5.26 | 1.66 | 3 | 19.46 | 1.34 | 0.77 |
| | 3 | 10 | 14.54 | 4.86 | 1.54 | 10 | 22.17 | 3.07 | 0.97 | 10 | 18.77 | 5.07 | 1.60 | 3 | 18.49 | 3.82 | 2.21 |
| | 4 | 10 | 14.84 | 4.53 | 1.43 | 10 | 15.57 | 4.83 | 1.53 | 10 | 15.94 | 5.78 | 1.83 | 3 | 15.45 | 0.56 | 0.32 |
| | 5 | 10 | 26.14 | 7.19 | 2.27 | 10 | 21.93 | 5.01 | 1.59 | 10 | 22.98 | 4.97 | 1.57 | 3 | 23.68 | 2.19 | 1.27 |
| 90-Minute | 1 | 10 | 17.21 | 6.15 | 1.94 | 10 | 22.27 | 8.94 | 2.83 | 10 | 20.47 | 7.44 | 2.35 | 3 | 19.98 | 2.56 | 1.48 |
| | 2 | 10 | 19.13 | 6.67 | 2.11 | 10 | 20.07 | 7.89 | 2.49 | 10 | 17.99 | 4.83 | 1.53 | 3 | 19.06 | 1.04 | 0.60 |
| | 3 | 10 | 15.54 | 6.41 | 2.03 | 10 | 18.81 | 7.25 | 2.29 | 10 | 17.75 | 5.34 | 1.69 | 3 | 17.37 | 1.67 | 0.96 |
| | 4 | 10 | 20.90 | 5.58 | 1.76 | 10 | 14.30 | 4.02 | 1.27 | 10 | 14.10 | 4.76 | 1.51 | 3 | 16.43 | 3.87 | 2.23 |
| | 5 | 10 | 27.22 | 5.66 | 1.79 | 10 | 24.55 | 5.04 | 1.59 | 10 | 29.70 | 8.75 | 2.77 | 3 | 27.16 | 2.57 | 1.49 |
| 300-Minute | 1 | 10 | 14.61 | 5.00 | 1.58 | 10 | 21.85 | 5.95 | 1.88 | 10 | 17.90 | 5.97 | 1.89 | 3 | 18.12 | 3.63 | 2.09 |
| | 2 | 10 | 15.41 | 7.04 | 2.22 | 10 | 29.54 | 11.56 | 3.66 | 10 | 19.34 | 4.33 | 1.37 | 3 | 21.43 | 7.30 | 4.21 |
| | 3 | 10 | 18.75 | 5.06 | 1.60 | 10 | 16.31 | 6.08 | 1.92 | 10 | 20.23 | 5.22 | 1.65 | 3 | 18.43 | 1.98 | 1.14 |
| | 4 | 10 | 15.02 | 3.77 | 1.19 | 10 | 12.97 | 3.96 | 1.25 | 10 | 16.49 | 4.32 | 1.37 | 3 | 14.82 | 1.77 | 1.02 |
| | 5 | 10 | 36.22 | 9.31 | 2.94 | 10 | 19.33 | 10.03 | 3.17 | 10 | 26.04 | 5.42 | 1.71 | 3 | 27.20 | 8.50 | 4.91 |
| 600-Minute | 1 | 10 | 22.29 | 6.04 | 1.91 | 10 | 25.89 | 6.76 | 2.14 | 10 | 28.46 | 9.91 | 3.13 | 3 | 25.55 | 3.10 | 1.79 |
| | 2 | 10 | 24.85 | 9.61 | 3.04 | 10 | 20.81 | 7.29 | 2.31 | 10 | 20.13 | 6.70 | 2.12 | 3 | 21.93 | 2.55 | 1.47 |
| | 3 | 10 | 21.37 | 7.47 | 2.36 | 10 | 18.86 | 6.64 | 2.10 | 10 | 20.36 | 8.16 | 2.58 | 3 | 20.20 | 1.26 | 0.73 |
| | 4 | 10 | 13.96 | 5.73 | 1.81 | 10 | 16.97 | 5.41 | 1.71 | 10 | 16.22 | 4.37 | 1.38 | 3 | 15.72 | 1.57 | 0.91 |
| | 5 | 10 | 17.53 | 6.22 | 1.97 | 10 | 26.13 | 27.22 | 8.61 | 10 | 14.82 | 6.52 | 2.06 | 3 | 19.49 | 5.90 | 3.41 |

PARAMETER = Percent Power
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | | Windows 11-20 | | | | Windows 21-30 | | | | Grand Mean | | | |
|------------|------------|--------------|-------|-------|------|---------------|-------|-------|------|---------------|-------|-------|------|------------|-------|-------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| 30-Minute | 1 | 10 | 19.93 | 9.22 | 2.92 | 10 | 17.48 | 7.92 | 2.51 | 10 | 13.49 | 3.92 | 1.24 | 3 | 16.97 | 3.25 | 1.88 |
| | 2 | 10 | 14.48 | 4.03 | 1.27 | 10 | 17.80 | 6.20 | 1.96 | 10 | 17.05 | 4.39 | 1.39 | 3 | 16.44 | 1.74 | 1.00 |
| | 3 | 10 | 15.86 | 3.26 | 1.03 | 10 | 18.44 | 3.98 | 1.26 | 10 | 18.80 | 6.49 | 2.05 | 3 | 17.70 | 1.60 | 0.93 |
| | 4 | 10 | 20.86 | 5.94 | 1.88 | 10 | 19.52 | 7.72 | 2.44 | 10 | 23.42 | 5.18 | 1.64 | 3 | 21.27 | 1.98 | 1.14 |
| | 5 | 10 | 28.86 | 7.67 | 2.42 | 10 | 26.76 | 6.90 | 2.18 | 10 | 27.24 | 5.90 | 1.87 | 3 | 27.62 | 1.10 | 0.64 |
| 90-Minute | 1 | 10 | 12.85 | 4.80 | 1.52 | 10 | 15.84 | 5.03 | 1.59 | 10 | 16.95 | 4.80 | 1.52 | 3 | 15.22 | 2.13 | 1.23 |
| | 2 | 10 | 11.88 | 3.65 | 1.15 | 10 | 13.46 | 6.23 | 1.97 | 10 | 22.07 | 8.26 | 2.61 | 3 | 15.80 | 5.49 | 3.17 |
| | 3 | 10 | 18.58 | 6.41 | 2.03 | 10 | 17.70 | 5.22 | 1.65 | 10 | 18.39 | 6.05 | 1.91 | 3 | 18.22 | 0.47 | 0.27 |
| | 4 | 10 | 17.54 | 5.69 | 1.80 | 10 | 21.67 | 5.82 | 1.84 | 10 | 19.48 | 6.43 | 2.03 | 3 | 19.56 | 2.06 | 1.19 |
| | 5 | 10 | 39.16 | 9.31 | 2.94 | 10 | 31.34 | 10.67 | 3.37 | 10 | 23.11 | 12.08 | 3.82 | 3 | 31.20 | 8.03 | 4.63 |
| 300-Minute | 1 | 10 | 17.20 | 5.28 | 1.67 | 10 | 21.76 | 6.78 | 2.14 | 10 | 15.30 | 4.94 | 1.56 | 3 | 18.09 | 3.32 | 1.92 |
| | 2 | 10 | 17.33 | 6.76 | 2.14 | 10 | 18.98 | 5.23 | 1.65 | 10 | 15.12 | 5.49 | 1.73 | 3 | 17.15 | 1.94 | 1.12 |
| | 3 | 10 | 17.45 | 5.92 | 1.87 | 10 | 17.52 | 3.73 | 1.18 | 10 | 16.44 | 6.69 | 2.12 | 3 | 17.14 | 0.61 | 0.35 |
| | 4 | 10 | 20.41 | 4.70 | 1.49 | 10 | 20.40 | 6.14 | 1.94 | 10 | 19.39 | 6.33 | 2.00 | 3 | 20.06 | 0.59 | 0.34 |
| | 5 | 10 | 27.61 | 8.76 | 2.77 | 10 | 21.34 | 3.64 | 1.15 | 10 | 33.75 | 5.01 | 1.58 | 3 | 27.57 | 6.21 | 3.58 |
| 600-Minute | 1 | 10 | 18.00 | 10.57 | 3.34 | 10 | 14.34 | 5.90 | 1.86 | 10 | 24.64 | 10.04 | 3.18 | 3 | 18.99 | 5.22 | 3.01 |
| | 2 | 10 | 16.30 | 6.95 | 2.20 | 10 | 14.39 | 5.53 | 1.75 | 10 | 18.25 | 5.44 | 1.72 | 3 | 16.31 | 1.93 | 1.12 |
| | 3 | 10 | 18.30 | 6.01 | 1.90 | 10 | 17.09 | 7.45 | 2.35 | 10 | 19.91 | 5.87 | 1.86 | 3 | 18.43 | 1.42 | 0.82 |
| | 4 | 10 | 21.31 | 6.49 | 2.05 | 10 | 19.99 | 6.07 | 1.92 | 10 | 17.04 | 4.32 | 1.37 | 3 | 19.45 | 2.19 | 1.26 |
| | 5 | 10 | 26.08 | 14.02 | 4.43 | 10 | 42.14 | 26.12 | 8.26 | 10 | 20.16 | 9.67 | 3.06 | 3 | 29.46 | 11.37 | 6.56 |

PARAMETER = Percent Power
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| 30-Minute | 1 | 10 | 19.16 | 4.82 | 1.52 | 10 | 23.10 | 6.21 | 1.96 | 10 | 19.52 | 9.10 | 2.88 | 3 | 20.59 | 2.18 | 1.26 |
| | 2 | 10 | 18.60 | 4.60 | 1.45 | 10 | 17.99 | 5.09 | 1.61 | 10 | 20.14 | 5.47 | 1.73 | 3 | 18.91 | 1.11 | 0.64 |
| | 3 | 10 | 21.20 | 7.93 | 2.51 | 10 | 21.65 | 7.09 | 2.24 | 10 | 23.45 | 8.24 | 2.61 | 3 | 22.10 | 1.19 | 0.69 |
| | 4 | 10 | 24.51 | 6.63 | 2.10 | 10 | 23.24 | 7.69 | 2.43 | 10 | 22.92 | 7.90 | 2.50 | 3 | 23.56 | 0.84 | 0.49 |
| | 5 | 10 | 16.53 | 5.24 | 1.66 | 10 | 14.02 | 4.22 | 1.33 | 10 | 13.98 | 4.41 | 1.40 | 3 | 14.84 | 1.46 | 0.85 |
| 90-Minute | 1 | 10 | 18.14 | 6.81 | 2.15 | 10 | 20.01 | 6.07 | 1.92 | 10 | 24.27 | 10.10 | 3.19 | 3 | 20.81 | 3.14 | 1.81 |
| | 2 | 10 | 16.80 | 4.78 | 1.51 | 10 | 18.84 | 6.05 | 1.91 | 10 | 18.58 | 7.74 | 2.45 | 3 | 18.07 | 1.11 | 0.64 |
| | 3 | 10 | 26.16 | 5.80 | 1.83 | 10 | 18.97 | 6.68 | 2.11 | 10 | 20.79 | 4.05 | 1.28 | 3 | 21.97 | 3.74 | 2.16 |
| | 4 | 10 | 22.71 | 5.02 | 1.59 | 10 | 28.72 | 9.57 | 3.03 | 10 | 21.10 | 6.77 | 2.14 | 3 | 24.18 | 4.02 | 2.32 |
| | 5 | 10 | 16.18 | 5.69 | 1.80 | 10 | 13.46 | 2.60 | 0.82 | 10 | 15.26 | 5.09 | 1.61 | 3 | 14.97 | 1.38 | 0.80 |
| 300-Minute | 1 | 10 | 17.14 | 5.49 | 1.74 | 10 | 18.87 | 6.35 | 2.01 | 10 | 20.02 | 6.91 | 2.18 | 3 | 18.68 | 1.45 | 0.84 |
| | 2 | 10 | 19.83 | 4.58 | 1.45 | 10 | 23.06 | 8.28 | 2.62 | 10 | 18.88 | 5.15 | 1.63 | 3 | 20.59 | 2.19 | 1.27 |
| | 3 | 10 | 24.50 | 4.26 | 1.35 | 10 | 20.00 | 3.52 | 1.11 | 10 | 18.97 | 5.61 | 1.77 | 3 | 21.15 | 2.94 | 1.70 |
| | 4 | 10 | 24.70 | 8.07 | 2.55 | 10 | 25.92 | 8.50 | 2.69 | 10 | 26.68 | 7.08 | 2.24 | 3 | 25.76 | 1.00 | 0.58 |
| | 5 | 10 | 13.84 | 5.58 | 1.77 | 10 | 12.15 | 4.55 | 1.44 | 10 | 15.45 | 5.95 | 1.88 | 3 | 13.82 | 1.65 | 0.95 |
| 600-Minute | 1 | 10 | 21.67 | 12.84 | 4.06 | 10 | 19.24 | 9.26 | 2.93 | 10 | 23.83 | 12.24 | 3.87 | 3 | 21.58 | 2.29 | 1.32 |
| | 2 | 10 | 22.16 | 8.73 | 2.76 | 10 | 26.46 | 6.16 | 1.95 | 10 | 22.57 | 6.48 | 2.05 | 3 | 23.73 | 2.37 | 1.37 |
| | 3 | 10 | 23.56 | 5.15 | 1.63 | 10 | 21.84 | 4.41 | 1.39 | 10 | 19.27 | 5.71 | 1.81 | 3 | 21.56 | 2.16 | 1.25 |
| | 4 | 10 | 22.11 | 6.72 | 2.13 | 10 | 19.76 | 8.25 | 2.61 | 10 | 18.67 | 6.05 | 1.91 | 3 | 20.18 | 1.76 | 1.02 |
| | 5 | 10 | 10.50 | 6.33 | 2.00 | 10 | 22.14 | 28.49 | 9.01 | 10 | 15.67 | 9.27 | 2.93 | 3 | 16.10 | 5.83 | 3.37 |

Animal E109

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D345 DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|---------------|---------------|--------------|--------|--------|---------------|----|--------|---------------|-------|----|------------|--------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 257.21 | 102.14 | 32.30 | 10 | 108.07 | 50.57 | 15.99 | 10 | 160.22 | 104.45 | 33.03 |
| | 2 | 10 | 95.09 | 46.79 | 14.80 | 10 | 117.26 | 59.21 | 18.72 | 10 | 116.10 | 62.08 | 19.63 |
| | 3 | 10 | 78.86 | 41.26 | 13.05 | 10 | 68.15 | 20.93 | 6.62 | 10 | 91.82 | 85.71 | 27.10 |
| | 4 | 10 | 96.52 | 53.97 | 17.07 | 10 | 84.35 | 45.17 | 14.28 | 10 | 89.35 | 55.63 | 17.59 |
| | 5 | 10 | 66.67 | 31.40 | 9.93 | 10 | 95.24 | 26.34 | 8.33 | 10 | 153.17 | 28.74 | 9.09 |
| | 6 | 10 | 49.88 | 35.57 | 11.25 | 10 | 70.65 | 58.10 | 18.37 | 10 | 74.27 | 15.84 | 5.01 |
| | 7 | 10 | 79.69 | 59.53 | 18.83 | 10 | 109.61 | 36.00 | 11.39 | 10 | 112.04 | 29.21 | 9.24 |
| | 8 | 10 | 1.11 | 1.14 | 0.36 | 10 | 1.52 | 1.07 | 0.34 | 10 | 1.36 | 0.53 | 0.17 |
| | 9 | 10 | 594.35 | 149.58 | 47.30 | 10 | 473.06 | 120.87 | 38.22 | 10 | 610.66 | 292.43 | 92.48 |

PARAMETER = Total Power
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|--------|--------|---------------|----|--------|---------------|-------|----|------------|--------|-------|---|--------|--------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 229.74 | 110.35 | 34.90 | 10 | 99.17 | 35.40 | 11.19 | 10 | 197.22 | 132.64 | 41.94 | 3 | 175.38 | 67.97 | 39.24 |
| | 2 | 10 | 95.93 | 45.57 | 14.41 | 10 | 102.04 | 47.81 | 15.12 | 10 | 100.07 | 49.24 | 15.57 | 3 | 99.35 | 3.12 | 1.80 |
| | 3 | 10 | 72.52 | 35.68 | 11.28 | 10 | 56.08 | 17.18 | 5.43 | 10 | 77.24 | 69.86 | 22.09 | 3 | 68.62 | 11.11 | 6.41 |
| | 4 | 10 | 100.97 | 65.67 | 20.77 | 10 | 69.39 | 26.83 | 8.49 | 10 | 62.66 | 39.50 | 12.49 | 3 | 77.67 | 20.45 | 11.81 |
| | 5 | 10 | 167.77 | 77.23 | 24.42 | 10 | 103.70 | 24.47 | 7.74 | 10 | 86.56 | 23.17 | 7.33 | 3 | 119.35 | 42.81 | 24.71 |
| | 6 | 10 | 92.37 | 27.00 | 8.54 | 10 | 76.03 | 30.59 | 9.67 | 10 | 40.59 | 19.79 | 6.26 | 3 | 69.66 | 26.47 | 15.28 |
| | 7 | 10 | 161.26 | 41.52 | 13.13 | 10 | 106.24 | 26.69 | 8.44 | 10 | 50.75 | 7.62 | 2.41 | 3 | 106.08 | 55.26 | 31.90 |
| | 8 | 10 | 1.69 | 0.77 | 0.24 | 10 | 1.01 | 0.67 | 0.21 | 10 | 0.68 | 0.56 | 0.18 | 3 | 1.13 | 0.52 | 0.30 |
| | 9 | 10 | 666.93 | 196.70 | 62.20 | 10 | 430.39 | 66.09 | 20.90 | 10 | 523.75 | 288.70 | 91.30 | 3 | 540.36 | 119.14 | 68.79 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
 TASK: 89-09
 DESCRIPTIVE STATISTICS FOR ANIMAL D345 DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Total Power
 CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|---------------|---------------|--------------|--------|-------|---------------|----|--------|---------------|-------|----|------------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 95.04 | 55.01 | 17.40 | 10 | 37.43 | 26.24 | 8.30 | 10 | 82.00 | 33.66 | 10.64 |
| | 2 | 10 | 41.47 | 23.08 | 7.30 | 10 | 22.63 | 14.08 | 4.45 | 10 | 39.00 | 21.95 | 6.94 |
| | 3 | 10 | 37.50 | 20.91 | 6.61 | 10 | 27.45 | 12.61 | 3.99 | 10 | 38.09 | 30.39 | 9.61 |
| | 4 | 10 | 34.44 | 24.87 | 7.86 | 10 | 33.28 | 12.71 | 4.02 | 10 | 33.08 | 15.07 | 4.77 |
| | 5 | 10 | 17.34 | 10.37 | 3.28 | 10 | 14.93 | 6.22 | 1.97 | 10 | 16.28 | 6.37 | 2.01 |
| | 6 | 10 | 11.43 | 10.16 | 3.21 | 10 | 7.79 | 5.28 | 1.67 | 10 | 7.25 | 3.52 | 1.11 |
| | 7 | 10 | 35.11 | 52.08 | 16.47 | 10 | 22.42 | 10.81 | 3.42 | 10 | 14.48 | 8.65 | 2.74 |
| | 8 | 10 | 0.72 | 1.09 | 0.34 | 10 | 0.62 | 0.40 | 0.13 | 10 | 0.50 | 0.55 | 0.17 |
| | 9 | 10 | 225.78 | 74.88 | 23.68 | 10 | 135.72 | 42.41 | 13.41 | 10 | 208.45 | 65.90 | 20.84 |

PARAMETER = Total Power
CHANNEL = 2

| Blood Draw | Freq-Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|-----------|--------------|--------|-------|---------------|----|--------|---------------|-------|----|------------|-------|-------|---|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 74.36 | 35.50 | 11.22 | 10 | 40.23 | 16.65 | 5.26 | 10 | 46.60 | 32.86 | 10.39 | 3 | 53.73 | 18.15 | 10.48 |
| | 2 | 10 | 37.41 | 14.51 | 4.59 | 10 | 23.46 | 12.03 | 3.80 | 10 | 41.02 | 32.25 | 10.20 | 3 | 33.96 | 9.27 | 5.35 |
| | 3 | 10 | 37.56 | 23.62 | 7.47 | 10 | 36.45 | 13.44 | 4.25 | 10 | 37.46 | 29.98 | 9.48 | 3 | 37.16 | 0.62 | 0.36 |
| | 4 | 10 | 30.66 | 18.76 | 5.93 | 10 | 32.36 | 13.94 | 4.41 | 10 | 31.62 | 12.34 | 3.90 | 3 | 31.54 | 0.85 | 0.49 |
| | 5 | 10 | 15.22 | 7.01 | 2.22 | 10 | 13.84 | 5.97 | 1.89 | 10 | 15.40 | 2.96 | 0.94 | 3 | 14.82 | 0.85 | 0.49 |
| | 6 | 10 | 8.07 | 5.77 | 1.82 | 10 | 6.91 | 5.09 | 1.61 | 10 | 6.66 | 2.25 | 0.71 | 3 | 7.21 | 0.75 | 0.43 |
| | 7 | 10 | 19.84 | 17.18 | 5.43 | 10 | 20.94 | 24.20 | 7.65 | 10 | 16.29 | 8.99 | 2.84 | 3 | 19.02 | 2.43 | 1.40 |
| | 8 | 10 | 0.40 | 0.72 | 0.23 | 10 | 0.73 | 1.26 | 0.40 | 10 | 0.59 | 0.77 | 0.24 | 3 | 0.57 | 0.17 | 0.10 |
| | 9 | 10 | 195.21 | 66.14 | 20.91 | 10 | 146.33 | 36.37 | 11.50 | 10 | 172.10 | 94.15 | 29.77 | 3 | 171.21 | 24.45 | 14.12 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
 TASK: 89-09
 DESCRIPTIVE STATISTICS FOR ANIMAL D345 DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
 CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 2.45 | 0.60 | 0.19 | 7 | 2.50 | 0.76 | 0.29 | 9 | 2.06 | 0.58 | 0.19 | 3 | 2.34 | 0.24 | 0.14 |
| | 2 | 10 | 5.40 | 0.84 | 0.27 | 8 | 5.56 | 0.98 | 0.35 | | 5.65 | 0.91 | 0.29 | 3 | 5.54 | 0.13 | 0.07 |
| | 3 | 10 | 11.20 | 1.34 | 0.42 | 10 | 10.15 | 1.20 | 0.38 | 10 | 11.15 | 0.91 | 0.29 | 3 | 10.83 | 0.59 | 0.34 |
| | 4 | 10 | 15.25 | 1.32 | 0.42 | 10 | 15.35 | 1.49 | 0.47 | 10 | 15.45 | 1.26 | 0.40 | 3 | 15.35 | 0.10 | 0.06 |
| | 5 | 10 | 21.05 | 2.17 | 0.68 | 10 | 22.30 | 1.62 | 0.51 | 10 | 21.05 | 1.50 | 0.47 | 3 | 21.47 | 0.72 | 0.42 |
| | 9 | 10 | 2.90 | 1.26 | 0.40 | 10 | 6.75 | 5.80 | 1.84 | 10 | 4.70 | 6.92 | 2.19 | 3 | 4.78 | 1.93 | 1.11 |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D345 DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. |
|---------------|---------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | |
| Baseline | 1 | 10 | 2.35 | 0.58 | 0.18 | 8 | 2.50 | 0.76 | 0.27 | 10 | 1.80 | 0.35 | 0.11 |
| | 2 | 9 | 5.89 | 1.24 | 0.41 | 9 | 5.83 | 1.09 | 0.36 | 10 | 5.75 | 0.89 | 0.28 |
| | 3 | 10 | 11.35 | 1.25 | 0.39 | 10 | 10.45 | 1.23 | 0.39 | 10 | 10.80 | 1.38 | 0.44 |
| | 4 | 10 | 15.98 | 1.40 | 0.44 | 10 | 15.65 | 1.53 | 0.48 | 9 | 15.17 | 1.17 | 0.39 |
| | 5 | 10 | 22.05 | 1.74 | 0.55 | 10 | 21.70 | 1.49 | 0.47 | 10 | 22.95 | 1.57 | 0.50 |
| | 9 | 10 | 6.90 | 8.92 | 2.82 | 10 | 5.85 | 6.25 | 1.98 | 10 | 1.80 | 0.35 | 0.11 |
| | | | | | | | | | | 3 | 2.22 | 0.37 | 0.21 |
| | | | | | | | | | | 3 | 5.82 | 0.07 | 0.04 |
| | | | | | | | | | | 3 | 10.87 | 0.45 | 0.26 |
| | | | | | | | | | | 3 | 15.60 | 0.41 | 0.23 |
| | | | | | | | | | | 3 | 22.23 | 0.64 | 0.37 |
| | | | | | | | | | | 3 | 4.85 | 2.69 | 1.55 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
 TASK: 89-09
 DESCRIPTIVE STATISTICS FOR ANIMAL D345 DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
 CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | | | | |
| Baseline | 1 | 10 | 2.10 | 0.52 | 0.16 | 9 | 2.44 | 0.81 | 0.27 | 10 | 2.45 | 0.76 | 0.24 | 3 | 2.33 | 0.20 | 0.12 |
| | 2 | 10 | 6.55 | 0.69 | 0.22 | 10 | 6.05 | 0.76 | 0.24 | 9 | 5.78 | 1.09 | 0.36 | 3 | 6.13 | 0.39 | 0.23 |
| | 3 | 10 | 10.60 | 1.41 | 0.45 | 9 | 10.78 | 1.15 | 0.38 | 10 | 11.25 | 1.34 | 0.42 | 3 | 10.88 | 0.34 | 0.19 |
| | 4 | 10 | 14.95 | 1.12 | 0.35 | 10 | 15.45 | 1.54 | 0.49 | 9 | 14.50 | 0.83 | 0.28 | 3 | 14.97 | 0.48 | 0.27 |
| | 5 | 10 | 20.90 | 2.04 | 0.64 | 10 | 21.25 | 1.40 | 0.44 | 10 | 21.45 | 1.92 | 0.61 | 3 | 21.20 | 0.28 | 0.16 |
| | 9 | 10 | 3.15 | 3.33 | 1.05 | 10 | 5.25 | 4.47 | 1.41 | 10 | 5.10 | 4.07 | 1.29 | 3 | 4.50 | 1.17 | 0.68 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
 TASK: 89-09
 DESCRIPTIVE STATISTICS FOR ANIMAL D345 DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
 CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | |
| Baseline | 1 | 10 | 2.21 | 0.32 | 0.10 | 10 | 2.23 | 0.21 | 0.07 | 10 | 2.10 | 0.23 | 0.07 | 0.04 |
| | 2 | 10 | 5.52 | 0.25 | 0.08 | 10 | 5.32 | 0.27 | 0.09 | 10 | 5.38 | 0.24 | 0.08 | 0.06 |
| | 3 | 10 | 10.38 | 0.25 | 0.08 | 10 | 10.33 | 0.32 | 0.10 | 10 | 10.43 | 0.45 | 0.14 | 0.03 |
| | 4 | 10 | 15.06 | 0.39 | 0.12 | 10 | 15.09 | 0.38 | 0.12 | 10 | 15.14 | 0.30 | 0.09 | 0.02 |
| | 5 | 10 | 21.07 | 0.58 | 0.18 | 10 | 21.53 | 0.70 | 0.22 | 10 | 21.24 | 0.47 | 0.15 | 0.13 |
| | 9 | 10 | 7.96 | 1.51 | 0.48 | 10 | 10.48 | 1.39 | 0.44 | 10 | 11.02 | 1.29 | 0.41 | 0.94 |

PARAMETER = Mean Frequency
CHANNEL = 4

[illegible]

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
 TASK: 89-09
 DESCRIPTIVE STATISTICS FOR ANIMAL D345 DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
 CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. |
|---------------|---------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | |
| Baseline | 1 | 10 | 1.96 | 0.27 | 0.09 | 10 | 2.04 | 0.23 | 0.07 | 10 | 1.93 | 0.24 | 0.08 |
| | 2 | 10 | 5.51 | 0.31 | 0.10 | 10 | 5.38 | 0.28 | 0.09 | 10 | 5.58 | 0.37 | 0.12 |
| | 3 | 10 | 10.42 | 0.51 | 0.16 | 10 | 10.47 | 0.39 | 0.12 | 10 | 10.58 | 0.46 | 0.15 |
| | 4 | 10 | 14.93 | 0.28 | 0.09 | 10 | 14.82 | 0.44 | 0.14 | 10 | 14.27 | 0.51 | 0.16 |
| | 5 | 10 | 20.75 | 0.48 | 0.15 | 10 | 20.96 | 0.23 | 0.07 | 10 | 20.99 | 0.52 | 0.17 |
| | 9 | 10 | 7.60 | 2.44 | 0.77 | 10 | 9.85 | 1.57 | 0.50 | 10 | 7.72 | 1.61 | 0.51 |
| | | | | | | | | | | 3 | 8.39 | 1.26 | 0.73 |
| | | | | | | | | | | 3 | 1.97 | 0.06 | 0.03 |
| | | | | | | | | | | 3 | 5.49 | 0.10 | 0.06 |
| | | | | | | | | | | 3 | 10.49 | 0.08 | 0.05 |
| | | | | | | | | | | 3 | 14.67 | 0.35 | 0.20 |
| | | | | | | | | | | 3 | 20.90 | 0.13 | 0.08 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D345 DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
CHANNEL = 2

[illegible]

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
 TASK: 89-09
 DESCRIPTIVE STATISTICS FOR ANIMAL D345 DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
 CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|---------------|---------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 43.24 | 14.64 | 4.63 | 10 | 22.23 | 7.27 | 2.30 | 10 | 25.12 | 6.50 | 2.05 |
| | 2 | 10 | 16.24 | 7.07 | 2.24 | 10 | 24.27 | 9.17 | 2.90 | 10 | 19.66 | 9.46 | 2.99 |
| | 3 | 10 | 13.59 | 7.08 | 2.24 | 10 | 14.83 | 4.40 | 1.39 | 10 | 13.47 | 3.94 | 1.24 |
| | 4 | 10 | 15.79 | 6.14 | 1.94 | 10 | 17.73 | 7.40 | 2.34 | 10 | 14.15 | 4.69 | 1.48 |
| | 5 | 10 | 11.14 | 3.86 | 1.22 | 10 | 20.94 | 7.08 | 2.24 | 10 | 27.59 | 7.90 | 2.50 |
| | | | | | | | | | | | 30.20 | 11.39 | 6.58 |
| | | | | | | | | | | | 20.06 | 4.03 | 2.33 |
| | | | | | | | | | | | 13.96 | 0.75 | 0.44 |
| | | | | | | | | | | | 15.89 | 1.79 | 1.04 |
| | | | | | | | | | | | 19.89 | 8.27 | 4.78 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
 TASK: 89-09
 DESCRIPTIVE STATISTICS FOR ANIMAL D345 DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
 CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|---------------|---------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 34.40 | 15.46 | 4.89 | 10 | 22.88 | 6.75 | 2.13 | 10 | 36.18 | 5.49 | 1.74 |
| | 2 | 10 | 14.55 | 5.62 | 1.78 | 10 | 23.11 | 7.77 | 2.46 | 10 | 19.91 | 5.96 | 1.88 |
| | 3 | 10 | 10.83 | 3.77 | 1.19 | 10 | 13.02 | 3.79 | 1.20 | 10 | 13.74 | 4.00 | 1.27 |
| | 4 | 10 | 14.66 | 6.30 | 1.99 | 10 | 16.09 | 5.27 | 1.67 | 10 | 11.97 | 4.78 | 1.51 |
| | 5 | 10 | 25.56 | 9.25 | 2.92 | 10 | 24.91 | 7.72 | 2.44 | 10 | 18.21 | 4.51 | 1.43 |
| | | | | | | | | | | | 31.15 | 7.22 | 4.17 |
| | | | | | | | | | | | 19.19 | 4.32 | 2.50 |
| | | | | | | | | | | | 12.53 | 1.52 | 0.87 |
| | | | | | | | | | | | 14.24 | 2.09 | 1.21 |
| | | | | | | | | | | | 22.89 | 4.07 | 2.35 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
 TASK: 89-09
 DESCRIPTIVE STATISTICS FOR ANIMAL D345 DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
 CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|---------------|---------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 41.54 | 17.80 | 5.63 | 10 | 25.88 | 11.19 | 3.54 | 10 | 39.86 | 13.44 | 4.25 |
| | 2 | 10 | 17.59 | 5.12 | 1.62 | 10 | 15.57 | 5.51 | 1.74 | 10 | 18.26 | 6.89 | 2.18 |
| | 3 | 10 | 16.75 | 8.35 | 2.64 | 10 | 21.03 | 8.52 | 2.69 | 10 | 17.15 | 7.32 | 2.32 |
| | 4 | 10 | 15.77 | 9.18 | 2.90 | 10 | 26.29 | 11.88 | 3.76 | 10 | 16.11 | 5.75 | 1.82 |
| | 5 | 10 | 8.35 | 6.38 | 2.02 | 10 | 11.23 | 3.66 | 1.16 | 10 | 8.61 | 4.51 | 1.43 |
| | | | | | | | | | | | 35.76 | 8.60 | 4.96 |
| | | | | | | | | | | | 17.14 | 1.40 | 0.81 |
| | | | | | | | | | | | 18.31 | 2.36 | 1.36 |
| | | | | | | | | | | | 19.39 | 5.98 | 3.45 |
| | | | | | | | | | | | 9.40 | 1.59 | 0.92 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
 TASK: 89-09
 DESCRIPTIVE STATISTICS FOR ANIMAL D345 DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
 CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|---------------|---------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 38.53 | 12.12 | 3.83 | 10 | 27.13 | 8.50 | 2.69 | 10 | 26.26 | 10.98 | 3.47 |
| | 2 | 10 | 19.34 | 5.52 | 1.75 | 10 | 15.76 | 6.51 | 2.06 | 10 | 21.99 | 7.34 | 2.32 |
| | 3 | 10 | 18.39 | 8.49 | 2.69 | 10 | 25.37 | 9.11 | 2.88 | 10 | 21.03 | 6.31 | 2.00 |
| | 4 | 10 | 15.12 | 6.69 | 2.12 | 10 | 22.02 | 8.28 | 2.62 | 10 | 19.97 | 6.29 | 1.99 |
| | 5 | 10 | 8.63 | 4.59 | 1.45 | 10 | 9.72 | 3.64 | 1.15 | 10 | 10.74 | 4.38 | 1.39 |
| | | | | | | | | | | | 3 | 9.70 | 1.06 |
| | | | | | | | | | | | 3 | 30.64 | 6.84 |
| | | | | | | | | | | | 3 | 19.03 | 3.13 |
| | | | | | | | | | | | 3 | 21.60 | 3.53 |
| | | | | | | | | | | | 3 | 19.04 | 3.54 |
| | | | | | | | | | | | 3 | 9.70 | 1.06 |
| | | | | | | | | | | | 3 | 30.64 | 6.84 |
| | | | | | | | | | | | 3 | 19.03 | 3.13 |
| | | | | | | | | | | | 3 | 21.60 | 3.53 |
| | | | | | | | | | | | 3 | 19.04 | 3.54 |
| | | | | | | | | | | | 3 | 9.70 | 1.06 |

PARAMETER = Total Power
CHANNEL = 3

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D345 DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|--------|-------|---------------|----|--------|---------------|-------|----|------------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| 90-Minute | 1 | 10 | 165.14 | 41.41 | 13.09 | 10 | 197.08 | 91.80 | 29.03 | 10 | 157.18 | 70.17 | 22.19 |
| | 2 | 10 | 86.69 | 32.66 | 10.33 | 10 | 109.52 | 42.30 | 13.38 | 10 | 79.46 | 29.43 | 9.31 |
| | 3 | 10 | 56.20 | 26.20 | 8.29 | 10 | 61.53 | 30.92 | 9.78 | 10 | 40.50 | 16.21 | 5.13 |
| | 4 | 10 | 30.46 | 21.61 | 6.83 | 10 | 47.15 | 18.49 | 5.85 | 10 | 36.91 | 13.97 | 4.42 |
| | 5 | 10 | 18.87 | 6.60 | 2.09 | 10 | 19.39 | 9.05 | 2.86 | 10 | 20.32 | 10.04 | 3.18 |
| | 6 | 10 | 9.07 | 5.28 | 1.67 | 10 | 8.05 | 2.85 | 0.90 | 10 | 9.59 | 4.60 | 1.46 |
| | 7 | 10 | 20.09 | 12.04 | 3.81 | 10 | 14.91 | 4.01 | 1.27 | 10 | 28.31 | 10.93 | 3.46 |
| | 8 | 10 | 0.07 | 0.16 | 0.05 | 10 | 0.05 | 0.11 | 0.04 | 10 | 0.19 | 0.22 | 0.07 |
| | 9 | 10 | 357.37 | 79.02 | 24.99 | 10 | 434.67 | 164.43 | 52.00 | 10 | 334.36 | 95.26 | 30.12 |
| 300-Minute | 1 | 10 | 27.49 | 14.60 | 4.62 | 10 | 24.22 | 8.14 | 2.57 | 10 | 24.58 | 10.43 | 3.30 |
| | 2 | 10 | 12.85 | 5.86 | 1.85 | 10 | 12.63 | 4.12 | 1.30 | 10 | 13.66 | 10.34 | 3.27 |
| | 3 | 10 | 17.60 | 4.87 | 1.54 | 10 | 17.68 | 10.88 | 3.44 | 10 | 13.77 | 5.85 | 1.85 |
| | 4 | 10 | 67.83 | 20.47 | 6.47 | 10 | 46.78 | 32.57 | 10.30 | 10 | 25.56 | 7.44 | 2.35 |
| | 5 | 10 | 55.70 | 33.80 | 10.69 | 10 | 57.00 | 25.63 | 8.11 | 10 | 41.32 | 9.52 | 3.01 |
| | 6 | 10 | 78.71 | 42.82 | 13.54 | 10 | 45.80 | 34.72 | 10.98 | 10 | 41.07 | 19.53 | 6.18 |
| | 7 | 10 | 169.72 | 27.74 | 8.77 | 10 | 143.51 | 45.59 | 14.42 | 10 | 110.13 | 38.23 | 12.09 |
| | 8 | 10 | 1.64 | 0.60 | 0.19 | 10 | 1.36 | 0.85 | 0.27 | 10 | 1.17 | 0.85 | 0.27 |
| | 9 | 10 | 181.47 | 53.72 | 16.99 | 10 | 158.31 | 41.36 | 13.08 | 10 | 118.89 | 28.72 | 9.08 |
| 600-Minute | 1 | 10 | 15.31 | 6.30 | 1.99 | 10 | 28.44 | 12.39 | 3.92 | 10 | 25.44 | 13.96 | 4.41 |
| | 2 | 10 | 12.41 | 3.03 | 0.96 | 10 | 15.33 | 7.80 | 2.47 | 10 | 17.10 | 7.18 | 2.27 |
| | 3 | 10 | 19.58 | 10.92 | 3.45 | 10 | 21.91 | 11.91 | 3.77 | 10 | 12.60 | 7.33 | 2.32 |
| | 4 | 10 | 73.95 | 34.75 | 10.99 | 10 | 35.88 | 17.51 | 5.54 | 10 | 31.09 | 21.07 | 6.66 |
| | 5 | 10 | 69.49 | 34.58 | 10.93 | 10 | 51.79 | 32.72 | 10.35 | 10 | 79.11 | 16.98 | 5.37 |
| | 6 | 10 | 94.03 | 61.57 | 19.47 | 10 | 42.48 | 23.38 | 7.39 | 10 | 57.83 | 33.52 | 10.60 |
| | 7 | 10 | 172.86 | 69.97 | 22.13 | 10 | 104.14 | 44.38 | 14.04 | 10 | 140.24 | 61.06 | 19.31 |
| | 8 | 10 | 0.96 | 0.54 | 0.17 | 10 | 0.83 | 0.63 | 0.20 | 10 | 1.73 | 1.37 | 0.43 |
| | 9 | 10 | 190.73 | 65.18 | 20.61 | 10 | 153.36 | 53.74 | 16.99 | 10 | 165.34 | 42.10 | 13.31 |
| | 1 | 3 | 173.13 | 21.12 | 12.19 | 3 | 91.89 | 15.69 | 9.06 | 3 | 52.74 | 10.93 | 6.31 |
| | 2 | 3 | 91.89 | 15.69 | 9.06 | 3 | 52.74 | 10.93 | 6.31 | 3 | 38.17 | 8.42 | 4.86 |
| | 3 | 3 | 52.74 | 10.93 | 6.31 | 3 | 38.17 | 8.42 | 4.86 | 3 | 19.53 | 0.73 | 0.42 |
| | 4 | 3 | 38.17 | 8.42 | 4.86 | 3 | 19.53 | 0.73 | 0.42 | 3 | 8.90 | 0.78 | 0.45 |
| | 5 | 3 | 19.53 | 0.73 | 0.42 | 3 | 8.90 | 0.78 | 0.45 | 3 | 21.11 | 6.76 | 3.90 |
| | 6 | 3 | 21.11 | 6.76 | 3.90 | 3 | 21.11 | 6.76 | 3.90 | 3 | 0.11 | 0.08 | 0.04 |
| | 7 | 3 | 0.11 | 0.08 | 0.04 | 3 | 0.11 | 0.08 | 0.04 | 3 | 375.47 | 52.55 | 30.34 |
| | 8 | 3 | 375.47 | 52.55 | 30.34 | 3 | 375.47 | 52.55 | 30.34 | 3 | 25.43 | 1.79 | 1.03 |
| | 9 | 3 | 25.43 | 1.79 | 1.03 | 3 | 25.43 | 1.79 | 1.03 | 3 | 13.05 | 0.54 | 0.31 |
| | 1 | 3 | 13.05 | 0.54 | 0.31 | 3 | 13.05 | 0.54 | 0.31 | 3 | 16.35 | 2.23 | 1.29 |
| | 2 | 3 | 16.35 | 2.23 | 1.29 | 3 | 16.35 | 2.23 | 1.29 | 3 | 46.72 | 21.14 | 12.20 |
| | 3 | 3 | 46.72 | 21.14 | 12.20 | 3 | 46.72 | 21.14 | 12.20 | 3 | 51.34 | 8.70 | 5.02 |
| | 4 | 3 | 51.34 | 8.70 | 5.02 | 3 | 51.34 | 8.70 | 5.02 | 3 | 55.19 | 20.50 | 11.84 |
| | 5 | 3 | 55.19 | 20.50 | 11.84 | 3 | 55.19 | 20.50 | 11.84 | 3 | 141.12 | 29.87 | 17.24 |
| | 6 | 3 | 141.12 | 29.87 | 17.24 | 3 | 141.12 | 29.87 | 17.24 | 3 | 1.39 | 0.24 | 0.14 |
| | 7 | 3 | 1.39 | 0.24 | 0.14 | 3 | 1.39 | 0.24 | 0.14 | 3 | 152.89 | 31.64 | 18.27 |
| | 8 | 3 | 152.89 | 31.64 | 18.27 | 3 | 152.89 | 31.64 | 18.27 | 3 | 23.06 | 6.88 | 3.97 |
| | 9 | 3 | 23.06 | 6.88 | 3.97 | 3 | 23.06 | 6.88 | 3.97 | 3 | 14.95 | 2.37 | 1.37 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D345 DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|--------|--------|---------------|----|--------|---------------|-------|----|------------|--------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| 90-Minute | 1 | 10 | 87.86 | 36.06 | 11.40 | 10 | 79.68 | 43.64 | 13.80 | 10 | 59.80 | 30.48 | 9.64 |
| | 2 | 10 | 35.58 | 13.31 | 4.21 | 10 | 43.86 | 20.03 | 6.34 | 10 | 37.22 | 21.24 | 6.72 |
| | 3 | 10 | 26.14 | 20.05 | 6.34 | 10 | 32.19 | 16.83 | 5.32 | 10 | 19.31 | 11.66 | 3.69 |
| | 4 | 10 | 18.98 | 6.93 | 2.19 | 10 | 26.75 | 9.32 | 2.95 | 10 | 13.20 | 7.23 | 2.29 |
| | 5 | 10 | 10.50 | 5.19 | 1.64 | 10 | 11.51 | 4.98 | 1.57 | 10 | 7.93 | 2.15 | 0.68 |
| | 6 | 10 | 4.00 | 2.23 | 0.71 | 10 | 4.90 | 2.18 | 0.69 | 10 | 3.99 | 1.38 | 0.44 |
| | 7 | 10 | 8.16 | 4.45 | 1.41 | 10 | 11.79 | 9.15 | 2.89 | 10 | 6.73 | 1.59 | 0.50 |
| | 8 | 10 | 0.00 | 0.00 | 0.00 | 10 | 0.07 | 0.23 | 0.07 | 10 | 0.02 | 0.08 | 0.02 |
| | 9 | 10 | 179.06 | 53.14 | 16.81 | 10 | 193.99 | 59.67 | 18.87 | 10 | 137.47 | 62.43 | 19.74 |
| 300-Minute | 1 | 10 | 72.50 | 35.48 | 11.22 | 10 | 94.44 | 48.40 | 15.30 | 10 | 87.48 | 34.67 | 10.96 |
| | 2 | 10 | 38.03 | 14.96 | 4.73 | 10 | 34.02 | 17.88 | 5.65 | 10 | 40.56 | 18.98 | 6.00 |
| | 3 | 10 | 41.57 | 13.31 | 4.21 | 10 | 37.34 | 16.91 | 5.35 | 10 | 31.01 | 8.56 | 2.71 |
| | 4 | 10 | 112.13 | 43.17 | 13.65 | 10 | 75.62 | 40.01 | 12.65 | 10 | 45.69 | 12.99 | 4.11 |
| | 5 | 10 | 101.91 | 43.34 | 13.71 | 10 | 91.50 | 36.28 | 11.47 | 10 | 74.36 | 10.56 | 3.34 |
| | 6 | 10 | 124.15 | 74.82 | 23.66 | 10 | 69.99 | 52.97 | 16.75 | 10 | 66.60 | 26.52 | 8.39 |
| | 7 | 10 | 272.76 | 39.23 | 12.41 | 10 | 228.17 | 63.25 | 20.00 | 10 | 177.27 | 70.70 | 22.36 |
| | 8 | 10 | 2.82 | 2.33 | 0.74 | 10 | 2.35 | 1.49 | 0.47 | 10 | 2.03 | 1.61 | 0.51 |
| | 9 | 10 | 366.15 | 91.38 | 28.90 | 10 | 332.92 | 48.00 | 15.18 | 10 | 279.11 | 39.03 | 12.34 |
| 600-Minute | 1 | 10 | 64.78 | 34.54 | 10.92 | 10 | 85.77 | 26.87 | 8.50 | 10 | 97.45 | 52.05 | 16.46 |
| | 2 | 10 | 30.12 | 12.12 | 3.83 | 10 | 36.24 | 20.02 | 6.33 | 10 | 37.67 | 12.72 | 4.02 |
| | 3 | 10 | 30.42 | 11.68 | 3.69 | 10 | 42.25 | 17.17 | 5.43 | 10 | 26.51 | 16.52 | 5.22 |
| | 4 | 10 | 102.96 | 40.86 | 12.92 | 10 | 62.97 | 26.71 | 8.45 | 10 | 52.16 | 29.28 | 9.26 |
| | 5 | 10 | 107.34 | 50.88 | 16.09 | 10 | 89.36 | 51.55 | 16.30 | 10 | 144.32 | 24.12 | 7.63 |
| | 6 | 10 | 136.78 | 78.82 | 24.92 | 10 | 70.38 | 31.91 | 10.09 | 10 | 114.55 | 108.75 | 34.39 |
| | 7 | 10 | 257.27 | 105.80 | 33.46 | 10 | 174.11 | 71.62 | 22.65 | 10 | 234.19 | 72.36 | 22.88 |
| | 8 | 10 | 1.83 | 1.43 | 0.45 | 10 | 1.22 | 0.96 | 0.30 | 10 | 2.72 | 2.07 | 0.66 |
| | 9 | 10 | 335.62 | 89.05 | 28.16 | 10 | 316.59 | 86.54 | 27.37 | 10 | 358.10 | 56.79 | 17.96 |
| | 1 | 10 | 84.81 | 11.21 | 3.69 | 10 | 84.81 | 11.21 | 3.69 | 10 | 84.81 | 11.21 | 3.69 |
| | 2 | 10 | 37.54 | 3.30 | 1.07 | 10 | 37.54 | 3.30 | 1.07 | 10 | 37.54 | 3.30 | 1.07 |
| | 3 | 10 | 36.64 | 5.32 | 1.67 | 10 | 36.64 | 5.32 | 1.67 | 10 | 36.64 | 5.32 | 1.67 |
| | 4 | 10 | 77.81 | 33.27 | 10.59 | 10 | 77.81 | 33.27 | 10.59 | 10 | 77.81 | 33.27 | 10.59 |
| | 5 | 10 | 89.26 | 13.91 | 4.31 | 10 | 89.26 | 13.91 | 4.31 | 10 | 89.26 | 13.91 | 4.31 |
| | 6 | 10 | 86.91 | 32.29 | 10.30 | 10 | 86.91 | 32.29 | 10.30 | 10 | 86.91 | 32.29 | 10.30 |
| | 7 | 10 | 226.07 | 47.78 | 15.26 | 10 | 226.07 | 47.78 | 15.26 | 10 | 226.07 | 47.78 | 15.26 |
| | 8 | 10 | 2.40 | 0.40 | 0.13 | 10 | 2.40 | 0.40 | 0.13 | 10 | 2.40 | 0.40 | 0.13 |
| | 9 | 10 | 326.06 | 43.93 | 14.31 | 10 | 326.06 | 43.93 | 14.31 | 10 | 326.06 | 43.93 | 14.31 |
| | 1 | 10 | 82.66 | 16.55 | 5.18 | 10 | 82.66 | 16.55 | 5.18 | 10 | 82.66 | 16.55 | 5.18 |
| | 2 | 10 | 34.68 | 4.01 | 1.27 | 10 | 34.68 | 4.01 | 1.27 | 10 | 34.68 | 4.01 | 1.27 |
| | 3 | 10 | 33.06 | 8.20 | 2.53 | 10 | 33.06 | 8.20 | 2.53 | 10 | 33.06 | 8.20 | 2.53 |
| | 4 | 10 | 72.70 | 26.76 | 8.45 | 10 | 72.70 | 26.76 | 8.45 | 10 | 72.70 | 26.76 | 8.45 |
| | 5 | 10 | 113.67 | 28.02 | 8.80 | 10 | 113.67 | 28.02 | 8.80 | 10 | 113.67 | 28.02 | 8.80 |
| | 6 | 10 | 107.24 | 33.80 | 10.71 | 10 | 107.24 | 33.80 | 10.71 | 10 | 107.24 | 33.80 | 10.71 |
| | 7 | 10 | 221.85 | 42.93 | 13.44 | 10 | 221.85 | 42.93 | 13.44 | 10 | 221.85 | 42.93 | 13.44 |
| | 8 | 10 | 1.92 | 0.75 | 0.24 | 10 | 1.92 | 0.75 | 0.24 | 10 | 1.92 | 0.75 | 0.24 |
| | 9 | 10 | 336.77 | 20.78 | 6.60 | 10 | 336.77 | 20.78 | 6.60 | 10 | 336.77 | 20.78 | 6.60 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D345 DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|--------|--------|---------------|----|--------|---------------|-------|----|------------|--------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| 90-Minute | 1 | 10 | 66.46 | 30.01 | 9.49 | 10 | 40.90 | 21.24 | 6.72 | 10 | 51.93 | 29.40 | 9.30 |
| | 2 | 10 | 36.46 | 15.10 | 4.78 | 10 | 44.58 | 24.26 | 7.67 | 10 | 27.32 | 17.28 | 5.46 |
| | 3 | 10 | 33.13 | 37.40 | 11.83 | 10 | 31.87 | 15.55 | 4.92 | 10 | 21.52 | 16.08 | 5.08 |
| | 4 | 10 | 18.10 | 9.74 | 3.08 | 10 | 24.15 | 10.01 | 3.17 | 10 | 14.95 | 10.59 | 3.35 |
| | 5 | 10 | 9.12 | 4.51 | 1.43 | 10 | 9.11 | 3.17 | 1.00 | 10 | 8.26 | 2.84 | 0.90 |
| | 6 | 10 | 3.55 | 1.74 | 0.55 | 10 | 3.51 | 1.37 | 0.43 | 10 | 3.28 | 1.51 | 0.48 |
| | 7 | 10 | 5.25 | 3.19 | 1.01 | 10 | 5.37 | 1.83 | 0.58 | 10 | 8.68 | 3.35 | 1.06 |
| | 8 | 10 | 0.00 | 0.00 | 0.00 | 10 | 0.02 | 0.04 | 0.01 | 10 | 0.03 | 0.07 | 0.02 |
| | 9 | 10 | 163.27 | 62.21 | 19.67 | 10 | 150.61 | 58.75 | 18.58 | 10 | 123.97 | 63.52 | 20.09 |
| 300-Minute | 1 | 10 | 86.74 | 41.21 | 13.03 | 10 | 120.32 | 54.39 | 17.20 | 10 | 101.69 | 40.14 | 12.69 |
| | 2 | 10 | 35.49 | 15.57 | 4.93 | 10 | 43.87 | 19.60 | 6.20 | 10 | 38.75 | 9.48 | 3.00 |
| | 3 | 10 | 36.88 | 11.52 | 3.64 | 10 | 42.46 | 18.76 | 5.93 | 10 | 29.54 | 7.01 | 2.22 |
| | 4 | 10 | 119.29 | 44.12 | 13.95 | 10 | 80.47 | 47.43 | 15.00 | 10 | 44.41 | 12.13 | 3.84 |
| | 5 | 10 | 99.50 | 37.27 | 11.79 | 10 | 104.64 | 40.93 | 12.94 | 10 | 77.54 | 17.08 | 5.40 |
| | 6 | 10 | 123.31 | 66.08 | 20.90 | 10 | 72.11 | 45.40 | 14.36 | 10 | 79.81 | 28.29 | 8.95 |
| | 7 | 10 | 268.42 | 33.93 | 10.73 | 10 | 240.53 | 61.83 | 19.55 | 10 | 184.09 | 57.38 | 18.14 |
| | 8 | 10 | 2.64 | 1.97 | 0.62 | 10 | 1.62 | 0.94 | 0.30 | 10 | 1.78 | 1.03 | 0.33 |
| | 9 | 10 | 377.91 | 81.37 | 25.73 | 10 | 391.76 | 55.06 | 17.41 | 10 | 291.93 | 52.93 | 16.74 |
| 600-Minute | 1 | 10 | 68.53 | 45.84 | 14.49 | 10 | 110.26 | 47.15 | 14.91 | 10 | 102.95 | 31.06 | 9.82 |
| | 2 | 10 | 40.24 | 25.30 | 8.00 | 10 | 36.83 | 19.67 | 6.22 | 10 | 39.60 | 9.41 | 2.98 |
| | 3 | 10 | 36.17 | 14.99 | 4.74 | 10 | 45.95 | 18.41 | 5.82 | 10 | 31.85 | 22.40 | 7.08 |
| | 4 | 10 | 107.26 | 44.99 | 14.23 | 10 | 66.92 | 31.25 | 9.88 | 10 | 56.60 | 31.20 | 9.87 |
| | 5 | 10 | 103.25 | 46.43 | 14.68 | 10 | 89.50 | 50.96 | 16.12 | 10 | 143.74 | 12.11 | 3.83 |
| | 6 | 10 | 137.35 | 77.29 | 24.44 | 10 | 73.77 | 33.42 | 10.57 | 10 | 111.04 | 100.29 | 31.71 |
| | 7 | 10 | 265.62 | 103.03 | 32.58 | 10 | 185.74 | 66.64 | 21.07 | 10 | 242.30 | 79.45 | 25.12 |
| | 8 | 10 | 1.50 | 0.59 | 0.19 | 10 | 1.53 | 0.81 | 0.26 | 10 | 2.58 | 1.67 | 0.53 |
| | 9 | 10 | 355.45 | 140.34 | 44.38 | 10 | 349.46 | 130.33 | 41.22 | 10 | 374.74 | 58.99 | 18.66 |
| | 1 | 3 | 93.91 | 22.28 | 12.87 | 3 | 93.91 | 22.28 | 12.87 | 3 | 93.91 | 22.28 | 12.87 |
| | 2 | 3 | 38.89 | 1.81 | 1.05 | 3 | 38.89 | 1.81 | 1.05 | 3 | 38.89 | 1.81 | 1.05 |
| | 3 | 3 | 37.99 | 7.23 | 4.17 | 3 | 37.99 | 7.23 | 4.17 | 3 | 37.99 | 7.23 | 4.17 |
| | 4 | 3 | 76.93 | 26.77 | 15.46 | 3 | 76.93 | 26.77 | 15.46 | 3 | 76.93 | 26.77 | 15.46 |
| | 5 | 3 | 112.16 | 28.19 | 16.28 | 3 | 112.16 | 28.19 | 16.28 | 3 | 112.16 | 28.19 | 16.28 |
| | 6 | 3 | 107.39 | 31.95 | 18.45 | 3 | 107.39 | 31.95 | 18.45 | 3 | 107.39 | 31.95 | 18.45 |
| | 7 | 3 | 231.22 | 41.08 | 23.72 | 3 | 231.22 | 41.08 | 23.72 | 3 | 231.22 | 41.08 | 23.72 |
| | 8 | 3 | 1.87 | 0.61 | 0.35 | 3 | 1.87 | 0.61 | 0.35 | 3 | 1.87 | 0.61 | 0.35 |
| | 9 | 3 | 359.88 | 13.21 | 7.62 | 3 | 359.88 | 13.21 | 7.62 | 3 | 359.88 | 13.21 | 7.62 |

PARAMETER = Peak Frequency
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | | Windows 11-20 | | | | Windows 21-30 | | | | Grand Mean | | | |
|------------|------------|--------------|-------|------|------|---------------|-------|------|------|---------------|-------|------|------|------------|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| 90-Minute | 1 | 8 | 2.31 | 0.80 | 0.28 | 9 | 2.33 | 0.79 | 0.26 | 8 | 2.25 | 0.65 | 0.23 | 3 | 2.30 | 0.04 | 0.03 |
| | 2 | 9 | 6.28 | 1.09 | 0.36 | 8 | 5.94 | 0.82 | 0.29 | 10 | 6.40 | 0.77 | 0.24 | 3 | 6.21 | 0.24 | 0.14 |
| | 3 | 10 | 10.40 | 1.37 | 0.43 | 10 | 10.10 | 1.31 | 0.41 | 10 | 10.70 | 1.16 | 0.37 | 3 | 10.40 | 0.30 | 0.17 |
| | 4 | 10 | 15.85 | 1.23 | 0.39 | 10 | 15.45 | 1.50 | 0.47 | 9 | 15.50 | 1.27 | 0.42 | 3 | 15.60 | 0.22 | 0.13 |
| | 5 | 10 | 20.50 | 1.27 | 0.40 | 10 | 19.95 | 0.64 | 0.20 | 10 | 19.65 | 1.06 | 0.33 | 3 | 20.03 | 0.43 | 0.25 |
| 300-Minute | 9 | 10 | 3.75 | 3.21 | 1.01 | 10 | 3.75 | 2.97 | 0.94 | 10 | 7.60 | 7.71 | 2.44 | 3 | 5.03 | 2.22 | 1.28 |
| | 1 | 9 | 1.83 | 0.66 | 0.22 | 6 | 2.50 | 0.84 | 0.34 | 7 | 2.93 | 0.35 | 0.13 | 3 | 2.42 | 0.55 | 0.32 |
| | 2 | 10 | 6.15 | 1.00 | 0.32 | 9 | 5.61 | 0.60 | 0.20 | 10 | 5.80 | 1.01 | 0.32 | 3 | 5.85 | 0.27 | 0.16 |
| | 3 | 10 | 11.05 | 0.98 | 0.31 | 9 | 10.44 | 1.10 | 0.37 | 10 | 10.95 | 1.09 | 0.35 | 3 | 10.81 | 0.32 | 0.19 |
| | 4 | 10 | 15.70 | 1.18 | 0.37 | 9 | 16.44 | 0.92 | 0.31 | 10 | 15.65 | 1.20 | 0.38 | 3 | 15.93 | 0.44 | 0.26 |
| 600-Minute | 5 | 10 | 21.20 | 1.92 | 0.61 | 10 | 21.10 | 2.07 | 0.65 | 10 | 21.92 | 2.08 | 0.66 | 3 | 21.41 | 0.45 | 0.26 |
| | 9 | 10 | 15.30 | 5.01 | 1.58 | 10 | 17.20 | 5.46 | 1.73 | 10 | 18.87 | 5.75 | 1.82 | 3 | 17.12 | 1.79 | 1.03 |
| | 1 | 9 | 2.33 | 0.50 | 0.17 | 7 | 2.43 | 1.02 | 0.38 | 7 | 2.36 | 0.94 | 0.36 | 3 | 2.37 | 0.05 | 0.03 |
| | 2 | 8 | 6.12 | 1.22 | 0.43 | 10 | 5.75 | 0.79 | 0.25 | 9 | 6.17 | 0.75 | 0.25 | 3 | 6.01 | 0.23 | 0.13 |
| | 3 | 9 | 10.39 | 1.22 | 0.41 | 8 | 11.88 | 1.03 | 0.36 | 10 | 11.33 | 1.26 | 0.40 | 3 | 11.20 | 0.75 | 0.43 |
| 600-Minute | 4 | 9 | 15.50 | 1.15 | 0.38 | 10 | 15.55 | 1.21 | 0.38 | 10 | 15.25 | 0.89 | 0.28 | 3 | 15.43 | 0.16 | 0.09 |
| | 5 | 10 | 21.95 | 2.34 | 0.74 | 10 | 22.75 | 1.23 | 0.39 | 10 | 21.25 | 1.81 | 0.57 | 3 | 21.98 | 0.75 | 0.43 |
| | 9 | 10 | 18.70 | 4.45 | 1.41 | 10 | 15.80 | 8.33 | 2.63 | 10 | 18.75 | 6.49 | 2.05 | 3 | 17.75 | 1.69 | 0.98 |

PARAMETER = Peak Frequency
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| 90-Minute | 1 | 9 | 2.67 | 0.71 | 0.24 | 8 | 2.44 | 0.82 | 0.29 | 10 | 2.40 | 0.70 | 0.22 | 3 | 2.50 | 0.14 | 0.08 |
| | 2 | 8 | 6.12 | 1.03 | 0.36 | 10 | 6.10 | 1.15 | 0.36 | 10 | 6.15 | 1.13 | 0.36 | 3 | 6.12 | 0.03 | 0.01 |
| | 3 | 9 | 10.22 | 1.15 | 0.38 | 9 | 10.00 | 1.27 | 0.42 | 10 | 10.55 | 1.62 | 0.51 | 3 | 10.26 | 0.28 | 0.16 |
| | 4 | 9 | 15.28 | 1.56 | 0.52 | 9 | 15.00 | 1.06 | 0.35 | 9 | 15.50 | 1.32 | 0.44 | 3 | 15.26 | 0.25 | 0.14 |
| | 5 | 10 | 19.90 | 1.65 | 0.52 | 10 | 20.50 | 1.60 | 0.51 | 10 | 20.55 | 1.59 | 0.50 | 3 | 20.32 | 0.36 | 0.21 |
| | 9 | 10 | 3.00 | 0.82 | 0.26 | 10 | 3.25 | 1.44 | 0.45 | 10 | 2.75 | 0.95 | 0.30 | 3 | 3.00 | 0.25 | 0.14 |
| 300-Minute | 1 | 10 | 2.25 | 0.68 | 0.21 | 10 | 2.45 | 0.50 | 0.16 | 9 | 2.39 | 0.86 | 0.29 | 3 | 2.36 | 0.10 | 0.06 |
| | 2 | 10 | 6.30 | 0.75 | 0.24 | 10 | 5.70 | 0.79 | 0.25 | 10 | 5.60 | 1.15 | 0.36 | 3 | 5.87 | 0.38 | 0.22 |
| | 3 | 9 | 11.22 | 0.83 | 0.28 | 10 | 11.50 | 1.13 | 0.36 | 10 | 10.75 | 1.23 | 0.39 | 3 | 11.16 | 0.38 | 0.22 |
| | 4 | 10 | 15.55 | 1.07 | 0.34 | 10 | 15.80 | 1.23 | 0.39 | 10 | 15.75 | 1.50 | 0.47 | 3 | 15.70 | 0.13 | 0.08 |
| | 5 | 10 | 21.28 | 1.77 | 0.56 | 10 | 20.80 | 1.75 | 0.55 | 10 | 21.85 | 2.17 | 0.69 | 3 | 21.31 | 0.53 | 0.30 |
| | 9 | 10 | 15.55 | 5.17 | 1.64 | 10 | 13.25 | 8.14 | 2.57 | 10 | 15.10 | 9.03 | 2.85 | 3 | 14.63 | 1.22 | 0.70 |
| 600-Minute | 1 | 9 | 2.28 | 0.67 | 0.22 | 8 | 2.62 | 0.83 | 0.30 | 9 | 2.11 | 0.70 | 0.23 | 3 | 2.34 | 0.26 | 0.15 |
| | 2 | 8 | 5.94 | 1.05 | 0.37 | 8 | 5.81 | 0.88 | 0.31 | 9 | 5.72 | 0.94 | 0.31 | 3 | 5.82 | 0.11 | 0.06 |
| | 3 | 9 | 11.33 | 0.79 | 0.26 | 9 | 10.89 | 1.54 | 0.51 | 10 | 10.90 | 1.45 | 0.46 | 3 | 11.04 | 0.25 | 0.15 |
| | 4 | 10 | 15.80 | 1.18 | 0.37 | 9 | 15.50 | 1.54 | 0.51 | 10 | 16.05 | 1.09 | 0.35 | 3 | 15.78 | 0.28 | 0.16 |
| | 5 | 10 | 21.70 | 2.37 | 0.75 | 10 | 22.55 | 1.96 | 0.62 | 10 | 21.30 | 1.86 | 0.59 | 3 | 21.85 | 0.64 | 0.37 |
| | 9 | 10 | 18.00 | 4.31 | 1.36 | 10 | 11.35 | 7.70 | 2.44 | 10 | 20.90 | 2.11 | 0.67 | 3 | 16.75 | 4.90 | 2.83 |

PARAMETER = Peak Frequency
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| 90-Minute | 1 | 8 | 2.19 | 0.59 | 0.21 | 8 | 2.37 | 0.88 | 0.31 | 9 | 2.33 | 0.66 | 0.22 | 3 | 2.30 | 0.10 | 0.06 |
| | 2 | 9 | 6.00 | 0.94 | 0.31 | 9 | 5.83 | 1.03 | 0.34 | 10 | 5.75 | 1.03 | 0.33 | 3 | 5.86 | 0.13 | 0.07 |
| | 3 | 10 | 10.20 | 1.16 | 0.37 | 10 | 10.55 | 1.19 | 0.38 | 10 | 10.85 | 1.42 | 0.45 | 3 | 10.53 | 0.33 | 0.19 |
| | 4 | 10 | 14.95 | 1.14 | 0.36 | 10 | 14.90 | 1.05 | 0.33 | 10 | 15.45 | 1.19 | 0.38 | 3 | 15.10 | 0.30 | 0.18 |
| | 5 | 10 | 21.05 | 1.82 | 0.57 | 10 | 22.00 | 1.56 | 0.49 | 10 | 22.10 | 2.26 | 0.71 | 3 | 21.72 | 0.58 | 0.33 |
| | 9 | 10 | 3.25 | 2.70 | 0.85 | 10 | 3.75 | 1.95 | 0.62 | 10 | 3.05 | 1.66 | 0.52 | 3 | 3.35 | 0.36 | 0.21 |
| 300-Minute | 1 | 7 | 2.29 | 0.76 | 0.29 | 8 | 2.25 | 0.76 | 0.27 | 10 | 2.35 | 0.75 | 0.24 | 3 | 2.30 | 0.05 | 0.03 |
| | 2 | 9 | 6.00 | 0.75 | 0.25 | 8 | 6.12 | 1.13 | 0.40 | 10 | 5.70 | 0.75 | 0.24 | 3 | 5.94 | 0.22 | 0.13 |
| | 3 | 10 | 10.20 | 1.21 | 0.38 | 10 | 10.45 | 1.23 | 0.39 | 10 | 10.15 | 1.45 | 0.46 | 3 | 10.27 | 0.16 | 0.09 |
| | 4 | 10 | 15.75 | 1.16 | 0.37 | 8 | 15.94 | 1.40 | 0.49 | 10 | 15.20 | 1.27 | 0.40 | 3 | 15.63 | 0.38 | 0.22 |
| | 5 | 10 | 20.65 | 1.62 | 0.51 | 10 | 20.95 | 2.09 | 0.66 | 10 | 22.00 | 2.12 | 0.67 | 3 | 21.20 | 0.71 | 0.41 |
| | 9 | 10 | 14.55 | 4.84 | 1.53 | 10 | 9.40 | 7.94 | 2.51 | 10 | 2.35 | 0.75 | 0.24 | 3 | 8.77 | 6.12 | 3.54 |
| 600-Minute | 1 | 8 | 1.81 | 0.46 | 0.16 | 6 | 2.58 | 0.74 | 0.30 | 8 | 2.56 | 0.94 | 0.33 | 3 | 2.32 | 0.44 | 0.25 |
| | 2 | 10 | 5.50 | 0.94 | 0.30 | 9 | 6.00 | 1.00 | 0.33 | 10 | 6.60 | 0.88 | 0.28 | 3 | 6.03 | 0.55 | 0.32 |
| | 3 | 10 | 10.70 | 1.23 | 0.39 | 10 | 10.90 | 1.41 | 0.45 | 10 | 11.45 | 1.19 | 0.38 | 3 | 11.02 | 0.39 | 0.22 |
| | 4 | 9 | 15.44 | 1.16 | 0.39 | 9 | 15.67 | 1.15 | 0.38 | 10 | 15.80 | 1.11 | 0.35 | 3 | 15.64 | 0.18 | 0.10 |
| | 5 | 10 | 21.70 | 2.57 | 0.81 | 10 | 21.80 | 1.77 | 0.56 | 10 | 21.75 | 2.15 | 0.68 | 3 | 21.75 | 0.05 | 0.03 |
| | 9 | 10 | 14.00 | 7.36 | 2.33 | 10 | 11.00 | 9.00 | 2.85 | 10 | 13.00 | 9.69 | 3.07 | 3 | 12.67 | 1.53 | 0.88 |

PARAMETER = Peak Frequency
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | | Windows 11-20 | | | | Windows 21-30 | | | | Grand Mean | |
|------------|------------|--------------|-------|------|------|---------------|-------|------|------|---------------|-------|-------|------|------------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | Mean | Std. |
| 90-Minute | 1 | 9 | 2.78 | 0.71 | 0.24 | 9 | 2.67 | 0.66 | 0.22 | 9 | 2.50 | 0.90 | 0.30 | 2.65 | 0.14 |
| | 2 | 10 | 5.90 | 0.81 | 0.26 | 10 | 5.75 | 1.11 | 0.35 | 10 | 5.90 | 0.84 | 0.27 | 5.85 | 0.09 |
| | 3 | 10 | 10.20 | 1.18 | 0.37 | 10 | 10.65 | 1.18 | 0.37 | 10 | 10.80 | 1.58 | 0.50 | 10.55 | 0.31 |
| | 4 | 10 | 14.85 | 0.85 | 0.27 | 10 | 14.90 | 1.35 | 0.43 | 10 | 15.50 | 1.31 | 0.41 | 15.08 | 0.36 |
| | 5 | 10 | 21.35 | 2.00 | 0.63 | 10 | 21.65 | 1.33 | 0.42 | 10 | 20.20 | 1.21 | 0.38 | 21.07 | 0.77 |
| | 9 | 10 | 4.70 | 3.54 | 1.12 | 10 | 4.35 | 1.94 | 0.61 | 10 | 4.10 | 3.96 | 1.25 | 4.38 | 0.30 |
| 300-Minute | 1 | 7 | 1.86 | 0.38 | 0.14 | 10 | 2.45 | 0.72 | 0.23 | 9 | 2.50 | 0.66 | 0.22 | 2.27 | 0.36 |
| | 2 | 10 | 6.20 | 0.71 | 0.23 | 9 | 5.89 | 1.05 | 0.35 | 10 | 6.00 | 0.91 | 0.29 | 6.03 | 0.16 |
| | 3 | 10 | 10.70 | 1.14 | 0.36 | 10 | 11.05 | 1.09 | 0.35 | 10 | 10.65 | 1.23 | 0.39 | 10.80 | 0.22 |
| | 4 | 10 | 15.95 | 0.93 | 0.29 | 9 | 15.78 | 1.20 | 0.40 | 10 | 15.25 | 1.53 | 0.48 | 15.66 | 0.36 |
| | 5 | 10 | 21.00 | 1.76 | 0.56 | 10 | 20.80 | 1.84 | 0.58 | 10 | 22.00 | 1.96 | 0.62 | 21.27 | 0.64 |
| | 9 | 10 | 11.20 | 8.37 | 2.65 | 10 | 8.75 | 8.36 | 2.64 | 10 | 4.55 | 5.51 | 1.74 | 8.17 | 3.36 |
| 600-Minute | 1 | 10 | 2.25 | 0.63 | 0.20 | 7 | 2.43 | 0.84 | 0.32 | 9 | 2.06 | 0.85 | 0.28 | 2.24 | 0.19 |
| | 2 | 8 | 5.75 | 1.25 | 0.44 | 7 | 6.46 | 1.08 | 0.41 | 9 | 6.00 | 0.83 | 0.28 | 6.07 | 0.36 |
| | 3 | 9 | 10.61 | 1.43 | 0.48 | 10 | 11.10 | 1.15 | 0.36 | 10 | 11.45 | 1.19 | 0.38 | 11.05 | 0.42 |
| | 4 | 10 | 15.60 | 1.20 | 0.38 | 10 | 15.85 | 1.00 | 0.32 | 10 | 15.60 | 0.97 | 0.31 | 15.68 | 0.14 |
| | 5 | 10 | 22.10 | 2.12 | 0.67 | 10 | 21.65 | 2.10 | 0.66 | 10 | 21.05 | 1.54 | 0.49 | 21.60 | 0.53 |
| | 9 | 10 | 13.80 | 8.25 | 2.61 | 10 | 6.75 | 5.45 | 1.72 | 10 | 11.85 | 10.63 | 3.36 | 10.80 | 3.64 |

PARAMETER = Mean Frequency
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| 90-Minute | 1 | 10 | 2.14 | 0.24 | 0.08 | 10 | 2.05 | 0.20 | 0.06 | 10 | 2.17 | 0.23 | 0.07 | 3 | 2.12 | 0.06 | 0.03 |
| | 2 | 10 | 5.30 | 0.26 | 0.08 | 10 | 5.35 | 0.31 | 0.10 | 10 | 5.53 | 0.37 | 0.12 | 3 | 5.39 | 0.12 | 0.07 |
| | 3 | 10 | 10.08 | 0.48 | 0.15 | 10 | 10.29 | 0.45 | 0.14 | 10 | 10.04 | 0.43 | 0.13 | 3 | 10.14 | 0.14 | 0.08 |
| | 4 | 10 | 15.31 | 0.47 | 0.15 | 10 | 15.12 | 0.45 | 0.14 | 10 | 15.41 | 0.46 | 0.15 | 3 | 15.28 | 0.15 | 0.08 |
| | 5 | 10 | 20.65 | 0.35 | 0.11 | 10 | 20.50 | 0.38 | 0.12 | 10 | 20.42 | 0.51 | 0.16 | 3 | 20.52 | 0.12 | 0.07 |
| | 9 | 10 | 7.71 | 1.51 | 0.48 | 10 | 7.07 | 0.96 | 0.30 | 10 | 9.86 | 2.26 | 0.71 | 3 | 8.21 | 1.46 | 0.84 |
| 300-Minute | 1 | 10 | 1.91 | 0.24 | 0.07 | 10 | 1.97 | 0.24 | 0.08 | 10 | 1.99 | 0.38 | 0.12 | 3 | 1.96 | 0.05 | 0.03 |
| | 2 | 10 | 5.75 | 0.21 | 0.07 | 10 | 5.52 | 0.29 | 0.09 | 10 | 5.52 | 0.20 | 0.06 | 3 | 5.60 | 0.13 | 0.08 |
| | 3 | 10 | 10.75 | 0.21 | 0.07 | 10 | 10.36 | 0.64 | 0.20 | 10 | 10.24 | 0.49 | 0.16 | 3 | 10.45 | 0.27 | 0.16 |
| | 4 | 10 | 15.36 | 0.40 | 0.13 | 10 | 15.64 | 0.41 | 0.13 | 10 | 15.32 | 0.44 | 0.14 | 3 | 15.44 | 0.17 | 0.10 |
| | 5 | 10 | 20.95 | 0.33 | 0.11 | 10 | 21.06 | 0.55 | 0.17 | 10 | 21.46 | 0.91 | 0.29 | 3 | 21.16 | 0.27 | 0.15 |
| | 9 | 10 | 13.91 | 1.09 | 0.35 | 10 | 13.53 | 2.13 | 0.67 | 10 | 13.13 | 1.66 | 0.53 | 3 | 13.52 | 0.39 | 0.22 |
| 600-Minute | 1 | 10 | 2.14 | 0.14 | 0.04 | 10 | 1.82 | 0.31 | 0.10 | 10 | 1.92 | 0.41 | 0.13 | 3 | 1.96 | 0.17 | 0.10 |
| | 2 | 10 | 5.69 | 0.38 | 0.12 | 10 | 5.43 | 0.40 | 0.13 | 10 | 5.68 | 0.43 | 0.14 | 3 | 5.60 | 0.14 | 0.08 |
| | 3 | 10 | 10.74 | 0.55 | 0.18 | 10 | 10.92 | 0.44 | 0.14 | 10 | 10.20 | 0.32 | 0.10 | 3 | 10.62 | 0.38 | 0.22 |
| | 4 | 10 | 15.40 | 0.54 | 0.17 | 10 | 15.17 | 0.54 | 0.17 | 10 | 15.58 | 0.39 | 0.12 | 3 | 15.39 | 0.20 | 0.12 |
| | 5 | 10 | 21.25 | 0.90 | 0.29 | 10 | 21.66 | 0.45 | 0.14 | 10 | 21.16 | 0.55 | 0.17 | 3 | 21.36 | 0.27 | 0.15 |
| | 9 | 10 | 15.22 | 1.32 | 0.42 | 10 | 12.65 | 2.72 | 0.86 | 10 | 14.88 | 1.69 | 0.54 | 3 | 14.25 | 1.40 | 0.81 |

PARAMETER = Mean Frequency
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | | Windows 11-20 | | | | Windows 21-30 | | | | Grand Mean | | S.E. | |
|------------|------------|--------------|-------|------|------|---------------|-------|------|------|---------------|-------|------|------|------------|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | | Std. |
| 90-Minute | 1 | 10 | 2.23 | 0.31 | 0.10 | 10 | 2.07 | 0.17 | 0.05 | 10 | 2.15 | 0.25 | 0.08 | 3 | 2.15 | 0.08 | 0.05 |
| | 2 | 10 | 5.28 | 0.31 | 0.10 | 10 | 5.35 | 0.27 | 0.09 | 10 | 5.58 | 0.31 | 0.10 | 3 | 5.40 | 0.16 | 0.09 |
| | 3 | 10 | 10.15 | 0.47 | 0.15 | 10 | 10.24 | 0.54 | 0.17 | 10 | 10.01 | 0.40 | 0.13 | 3 | 10.14 | 0.11 | 0.07 |
| | 4 | 10 | 14.98 | 0.36 | 0.11 | 10 | 14.84 | 0.39 | 0.12 | 10 | 15.18 | 0.43 | 0.14 | 3 | 15.00 | 0.17 | 0.10 |
| | 5 | 10 | 20.78 | 0.60 | 0.19 | 10 | 20.70 | 0.55 | 0.17 | 10 | 20.66 | 0.57 | 0.18 | 3 | 20.71 | 0.06 | 0.04 |
| 300-Minute | 9 | 10 | 6.23 | 0.49 | 0.16 | 10 | 6.33 | 0.70 | 0.22 | 10 | 6.56 | 1.22 | 0.38 | 3 | 6.37 | 0.17 | 0.10 |
| | 1 | 10 | 1.95 | 0.20 | 0.06 | 10 | 2.10 | 0.17 | 0.05 | 10 | 2.05 | 0.27 | 0.09 | 3 | 2.03 | 0.08 | 0.04 |
| | 2 | 10 | 5.60 | 0.29 | 0.09 | 10 | 5.57 | 0.33 | 0.10 | 10 | 5.54 | 0.33 | 0.10 | 3 | 5.57 | 0.03 | 0.02 |
| | 3 | 10 | 10.82 | 0.36 | 0.11 | 10 | 10.56 | 0.63 | 0.20 | 10 | 10.37 | 0.43 | 0.14 | 3 | 10.58 | 0.23 | 0.13 |
| | 4 | 10 | 15.34 | 0.31 | 0.10 | 10 | 15.56 | 0.50 | 0.16 | 10 | 15.35 | 0.35 | 0.11 | 3 | 15.42 | 0.13 | 0.07 |
| 600-Minute | 5 | 10 | 21.10 | 0.40 | 0.13 | 10 | 21.09 | 0.49 | 0.15 | 10 | 21.33 | 0.82 | 0.26 | 3 | 21.17 | 0.14 | 0.08 |
| | 9 | 10 | 13.85 | 1.35 | 0.43 | 10 | 13.87 | 1.81 | 0.57 | 10 | 13.08 | 1.19 | 0.38 | 3 | 13.60 | 0.45 | 0.26 |
| | 1 | 10 | 2.09 | 0.28 | 0.09 | 10 | 1.97 | 0.36 | 0.11 | 10 | 2.03 | 0.23 | 0.07 | 3 | 2.03 | 0.06 | 0.04 |
| | 2 | 10 | 5.62 | 0.33 | 0.10 | 10 | 5.52 | 0.26 | 0.08 | 10 | 5.61 | 0.29 | 0.09 | 3 | 5.58 | 0.06 | 0.03 |
| | 3 | 10 | 10.79 | 0.34 | 0.11 | 10 | 10.78 | 0.58 | 0.18 | 10 | 10.19 | 0.51 | 0.16 | 3 | 10.59 | 0.34 | 0.20 |
| | 4 | 10 | 15.34 | 0.57 | 0.18 | 10 | 15.20 | 0.55 | 0.17 | 10 | 15.56 | 0.47 | 0.15 | 3 | 15.37 | 0.18 | 0.10 |
| | 5 | 10 | 21.15 | 0.83 | 0.26 | 10 | 21.47 | 0.37 | 0.12 | 10 | 21.14 | 0.63 | 0.20 | 3 | 21.26 | 0.19 | 0.11 |
| | 9 | 10 | 15.13 | 1.20 | 0.38 | 10 | 12.79 | 2.24 | 0.71 | 10 | 14.87 | 1.35 | 0.43 | 3 | 14.26 | 1.29 | 0.74 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D345 DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|-------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | |
| 90-Minute | 1 | 10 | 2.04 | 0.24 | 0.08 | 10 | 2.08 | 0.35 | 0.11 | 10 | 2.05 | 0.13 | 0.04 |
| | 2 | 10 | 5.30 | 0.45 | 0.14 | 10 | 5.56 | 0.29 | 0.09 | 10 | 5.54 | 0.24 | 0.08 |
| | 3 | 10 | 10.24 | 0.26 | 0.08 | 10 | 10.11 | 0.33 | 0.11 | 10 | 10.22 | 0.40 | 0.13 |
| | 4 | 10 | 15.00 | 0.42 | 0.13 | 10 | 14.64 | 0.34 | 0.11 | 10 | 14.99 | 0.36 | 0.11 |
| | 5 | 10 | 20.73 | 0.38 | 0.12 | 10 | 21.05 | 0.50 | 0.16 | 10 | 21.04 | 0.53 | 0.17 |
| | 9 | 10 | 6.37 | 1.44 | 0.46 | 10 | 7.18 | 1.23 | 0.39 | 10 | 6.66 | 0.94 | 0.30 |
| 300-Minute | 1 | 10 | 1.97 | 0.26 | 0.08 | 10 | 2.05 | 0.35 | 0.11 | 10 | 2.10 | 0.36 | 0.11 |
| | 2 | 10 | 5.53 | 0.28 | 0.09 | 10 | 5.48 | 0.25 | 0.08 | 10 | 5.43 | 0.38 | 0.12 |
| | 3 | 10 | 10.45 | 0.43 | 0.14 | 10 | 10.19 | 0.51 | 0.16 | 10 | 10.27 | 0.51 | 0.16 |
| | 4 | 10 | 15.38 | 0.34 | 0.11 | 10 | 15.59 | 0.48 | 0.15 | 10 | 15.22 | 0.44 | 0.14 |
| | 5 | 10 | 20.92 | 0.40 | 0.13 | 10 | 21.00 | 0.60 | 0.19 | 10 | 21.39 | 0.74 | 0.24 |
| | 9 | 10 | 12.60 | 1.26 | 0.40 | 10 | 11.80 | 2.24 | 0.71 | 10 | 10.88 | 1.63 | 0.52 |
| 600-Minute | 1 | 10 | 1.99 | 0.30 | 0.09 | 10 | 1.94 | 0.36 | 0.11 | 10 | 1.96 | 0.33 | 0.10 |
| | 2 | 10 | 5.45 | 0.29 | 0.09 | 10 | 5.36 | 0.40 | 0.13 | 10 | 5.58 | 0.28 | 0.09 |
| | 3 | 10 | 10.75 | 0.36 | 0.11 | 10 | 10.76 | 0.43 | 0.14 | 10 | 10.30 | 0.44 | 0.14 |
| | 4 | 10 | 15.40 | 0.47 | 0.15 | 10 | 15.10 | 0.56 | 0.18 | 10 | 15.64 | 0.33 | 0.10 |
| | 5 | 10 | 21.36 | 0.80 | 0.25 | 10 | 21.63 | 0.35 | 0.11 | 10 | 21.24 | 0.58 | 0.18 |
| | 9 | 10 | 13.34 | 1.99 | 0.63 | 10 | 11.36 | 2.11 | 0.67 | 10 | 12.88 | 2.06 | 0.65 |
| | | | | | | | | | | | 3 | 2.06 | 0.02 |
| | | | | | | | | | | | 3 | 5.47 | 0.14 |
| | | | | | | | | | | | 3 | 10.19 | 0.07 |
| | | | | | | | | | | | 3 | 14.87 | 0.20 |
| | | | | | | | | | | | 3 | 20.94 | 0.18 |
| | | | | | | | | | | | 3 | 6.74 | 0.41 |
| | | | | | | | | | | | 3 | 2.04 | 0.07 |
| | | | | | | | | | | | 3 | 5.48 | 0.05 |
| | | | | | | | | | | | 3 | 10.30 | 0.14 |
| | | | | | | | | | | | 3 | 15.40 | 0.18 |
| | | | | | | | | | | | 3 | 21.11 | 0.25 |
| | | | | | | | | | | | 3 | 11.76 | 0.86 |
| | | | | | | | | | | | 3 | 1.96 | 0.03 |
| | | | | | | | | | | | 3 | 5.46 | 0.11 |
| | | | | | | | | | | | 3 | 10.60 | 0.26 |
| | | | | | | | | | | | 3 | 15.38 | 0.27 |
| | | | | | | | | | | | 3 | 21.41 | 0.20 |
| | | | | | | | | | | | 3 | 12.53 | 1.04 |

PARAMETER = Mean Frequency
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| 90-Minute | 1 | 10 | 2.14 | 0.26 | 0.08 | 10 | 2.26 | 0.26 | 0.08 | 10 | 2.09 | 0.30 | 0.09 | 3 | 2.17 | 0.09 | 0.05 |
| | 2 | 10 | 5.48 | 0.36 | 0.11 | 10 | 5.66 | 0.28 | 0.09 | 10 | 5.53 | 0.27 | 0.09 | 3 | 5.55 | 0.10 | 0.06 |
| | 3 | 10 | 10.11 | 0.49 | 0.15 | 10 | 10.09 | 0.42 | 0.13 | 10 | 10.14 | 0.29 | 0.09 | 3 | 10.11 | 0.03 | 0.02 |
| | 4 | 10 | 15.18 | 0.30 | 0.09 | 10 | 14.84 | 0.38 | 0.12 | 10 | 15.04 | 0.57 | 0.18 | 3 | 15.02 | 0.17 | 0.10 |
| | 5 | 10 | 20.80 | 0.63 | 0.20 | 10 | 20.90 | 0.35 | 0.11 | 10 | 20.57 | 0.36 | 0.12 | 3 | 20.76 | 0.17 | 0.10 |
| 300-Minute | 9 | 10 | 6.89 | 1.34 | 0.42 | 10 | 8.29 | 1.18 | 0.37 | 10 | 7.21 | 1.34 | 0.42 | 3 | 7.46 | 0.73 | 0.42 |
| | 1 | 10 | 1.95 | 0.22 | 0.07 | 10 | 2.22 | 0.32 | 0.10 | 10 | 2.14 | 0.26 | 0.08 | 3 | 2.10 | 0.14 | 0.08 |
| | 2 | 10 | 5.53 | 0.20 | 0.06 | 10 | 5.21 | 0.19 | 0.06 | 10 | 5.42 | 0.34 | 0.11 | 3 | 5.38 | 0.16 | 0.10 |
| | 3 | 10 | 10.65 | 0.28 | 0.09 | 10 | 10.42 | 0.45 | 0.14 | 10 | 10.42 | 0.46 | 0.15 | 3 | 10.50 | 0.13 | 0.08 |
| | 4 | 10 | 15.32 | 0.38 | 0.12 | 10 | 15.57 | 0.44 | 0.14 | 10 | 15.42 | 0.55 | 0.17 | 3 | 15.44 | 0.12 | 0.07 |
| 600-Minute | 5 | 10 | 21.08 | 0.28 | 0.09 | 10 | 21.10 | 0.52 | 0.16 | 10 | 21.49 | 0.65 | 0.20 | 3 | 21.22 | 0.23 | 0.13 |
| | 9 | 10 | 12.41 | 1.52 | 0.48 | 10 | 11.33 | 2.30 | 0.73 | 10 | 10.64 | 1.08 | 0.34 | 3 | 11.46 | 0.89 | 0.51 |
| | 1 | 10 | 2.08 | 0.22 | 0.07 | 10 | 2.05 | 0.43 | 0.14 | 10 | 1.99 | 0.24 | 0.08 | 3 | 2.04 | 0.05 | 0.03 |
| | 2 | 10 | 5.45 | 0.37 | 0.12 | 10 | 5.39 | 0.40 | 0.13 | 10 | 5.51 | 0.30 | 0.10 | 3 | 5.45 | 0.06 | 0.03 |
| | 3 | 10 | 10.52 | 0.52 | 0.16 | 10 | 10.66 | 0.48 | 0.15 | 10 | 10.50 | 0.51 | 0.16 | 3 | 10.56 | 0.09 | 0.05 |
| 600-Minute | 4 | 10 | 15.42 | 0.53 | 0.17 | 10 | 15.25 | 0.60 | 0.19 | 10 | 15.58 | 0.33 | 0.10 | 3 | 15.42 | 0.17 | 0.10 |
| | 5 | 10 | 21.28 | 0.88 | 0.28 | 10 | 21.47 | 0.34 | 0.11 | 10 | 21.12 | 0.46 | 0.14 | 3 | 21.29 | 0.18 | 0.10 |
| | 9 | 10 | 13.00 | 1.66 | 0.53 | 10 | 10.91 | 1.50 | 0.47 | 10 | 12.53 | 0.89 | 0.28 | 3 | 12.15 | 1.10 | 0.63 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
 TASK: 89-09
 DESCRIPTIVE STATISTICS FOR ANIMAL D345 DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
 CHANNEL = 3

| Blood Draw | Freq. Band | N | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. |
|------------|------------|----|--------------|-------|------|---------------|-------|------|---------------|-------|------|------------|------|------|
| | | | Mean | Std. | S.E. | Mean | Std. | S.E. | Mean | Std. | S.E. | Mean | Std. | |
| 90-Minute | 1 | 10 | 40.94 | 7.04 | 2.23 | 44.00 | 9.08 | 2.87 | 28.91 | 11.10 | 3.51 | 37.95 | 7.98 | 4.61 |
| | 2 | 10 | 22.22 | 8.46 | 2.67 | 20.73 | 4.66 | 1.47 | 22.61 | 8.67 | 2.74 | 21.85 | 1.00 | 0.57 |
| | 3 | 10 | 12.76 | 5.58 | 1.77 | 14.22 | 4.41 | 1.39 | 10.57 | 3.10 | 0.98 | 12.51 | 1.84 | 1.06 |
| | 4 | 10 | 11.72 | 4.65 | 1.47 | 13.29 | 3.58 | 1.13 | 16.44 | 6.81 | 2.15 | 13.82 | 2.41 | 1.39 |
| | 5 | 10 | 12.36 | 7.66 | 2.42 | 7.76 | 2.62 | 0.83 | 21.47 | 11.01 | 3.48 | 13.86 | 6.98 | 4.03 |
| 300-Minute | 1 | 10 | 13.87 | 3.40 | 1.08 | 18.14 | 9.78 | 3.09 | 21.06 | 8.82 | 2.79 | 17.69 | 3.62 | 2.09 |
| | 2 | 10 | 7.29 | 2.44 | 0.77 | 9.83 | 6.09 | 1.93 | 10.16 | 2.67 | 0.84 | 9.09 | 1.57 | 0.91 |
| | 3 | 10 | 11.64 | 4.96 | 1.57 | 10.19 | 5.34 | 1.69 | 11.67 | 3.09 | 0.98 | 11.17 | 0.85 | 0.49 |
| | 4 | 10 | 37.93 | 10.14 | 3.21 | 26.98 | 15.27 | 4.83 | 20.93 | 6.52 | 2.06 | 28.61 | 8.62 | 4.97 |
| | 5 | 10 | 29.27 | 11.55 | 3.65 | 34.87 | 13.24 | 4.19 | 36.18 | 5.37 | 1.70 | 33.44 | 3.67 | 2.12 |
| 600-Minute | 1 | 10 | 9.27 | 6.23 | 1.97 | 24.69 | 13.77 | 4.35 | 16.65 | 10.63 | 3.36 | 16.87 | 7.71 | 4.45 |
| | 2 | 10 | 6.64 | 3.41 | 1.08 | 7.45 | 3.71 | 1.17 | 7.74 | 2.77 | 0.88 | 7.28 | 0.57 | 0.33 |
| | 3 | 10 | 10.41 | 4.94 | 1.56 | 12.95 | 4.46 | 1.41 | 7.01 | 3.58 | 1.13 | 10.12 | 2.98 | 1.72 |
| | 4 | 10 | 36.37 | 11.63 | 3.68 | 22.23 | 7.34 | 2.32 | 19.64 | 10.54 | 3.33 | 26.08 | 9.01 | 5.20 |
| | 5 | 10 | 37.31 | 9.96 | 3.15 | 32.69 | 12.93 | 4.09 | 48.95 | 11.00 | 3.48 | 39.65 | 8.38 | 4.84 |

PARAMETER = Percent Power
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|---|-------|-------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| 90-Minute | 1 | 10 | 46.42 | 5.67 | 1.79 | 10 | 44.71 | 7.81 | 2.47 | 10 | 45.95 | 12.70 | 4.02 | 3 | 45.69 | 0.89 | 0.51 |
| | 2 | 10 | 24.22 | 7.48 | 2.37 | 10 | 25.40 | 4.09 | 1.29 | 10 | 24.07 | 7.03 | 2.22 | 3 | 24.56 | 0.73 | 0.42 |
| | 3 | 10 | 15.92 | 5.85 | 1.85 | 10 | 14.06 | 5.05 | 1.60 | 10 | 12.27 | 4.18 | 1.32 | 3 | 14.08 | 1.82 | 1.05 |
| | 4 | 10 | 8.20 | 4.55 | 1.44 | 10 | 11.31 | 3.30 | 1.04 | 10 | 11.46 | 4.32 | 1.37 | 3 | 10.32 | 1.84 | 1.06 |
| | 5 | 10 | 5.25 | 1.06 | 0.33 | 10 | 4.52 | 1.36 | 0.43 | 10 | 6.24 | 2.58 | 0.81 | 3 | 5.34 | 0.87 | 0.50 |
| 300-Minute | 1 | 10 | 14.88 | 5.13 | 1.62 | 10 | 16.89 | 8.58 | 2.71 | 10 | 20.30 | 7.24 | 2.29 | 3 | 17.36 | 2.74 | 1.58 |
| | 2 | 10 | 7.34 | 3.57 | 1.13 | 10 | 8.61 | 3.88 | 1.23 | 10 | 10.81 | 5.12 | 1.62 | 3 | 8.92 | 1.75 | 1.01 |
| | 3 | 10 | 10.40 | 4.33 | 1.37 | 10 | 10.98 | 5.92 | 1.87 | 10 | 11.79 | 4.43 | 1.40 | 3 | 11.06 | 0.70 | 0.40 |
| | 4 | 10 | 37.97 | 9.49 | 3.00 | 10 | 27.76 | 13.70 | 4.33 | 10 | 21.75 | 5.33 | 1.69 | 3 | 29.16 | 8.20 | 4.74 |
| | 5 | 10 | 29.40 | 11.55 | 3.65 | 10 | 35.76 | 12.96 | 4.10 | 10 | 35.35 | 6.61 | 2.09 | 3 | 33.50 | 3.56 | 2.05 |
| 600-Minute | 1 | 10 | 8.78 | 4.68 | 1.48 | 10 | 20.50 | 10.95 | 3.46 | 10 | 14.81 | 5.67 | 1.79 | 3 | 14.70 | 5.86 | 3.38 |
| | 2 | 10 | 6.99 | 2.51 | 0.80 | 10 | 10.90 | 6.31 | 2.00 | 10 | 10.57 | 4.41 | 1.40 | 3 | 9.49 | 2.17 | 1.25 |
| | 3 | 10 | 10.44 | 5.21 | 1.65 | 10 | 14.06 | 4.16 | 1.32 | 10 | 7.49 | 3.70 | 1.17 | 3 | 10.66 | 3.29 | 1.90 |
| | 4 | 10 | 38.06 | 11.15 | 3.53 | 10 | 22.61 | 7.90 | 2.50 | 10 | 17.93 | 9.43 | 2.98 | 3 | 26.20 | 10.53 | 6.08 |
| | 5 | 10 | 35.74 | 8.95 | 2.83 | 10 | 31.92 | 11.35 | 3.59 | 10 | 49.20 | 11.01 | 3.48 | 3 | 38.95 | 9.07 | 5.24 |

PARAMETER = Percent Power
CHANNEL = 2

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D345 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|--------|--------|---------------|----|--------|---------------|-------|----|------------|--------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| 300-Minute | 1 | 10 | 160.04 | 68.32 | 21.60 | 10 | 165.80 | 68.93 | 21.80 | 10 | 139.21 | 53.08 | 16.78 |
| | 2 | 10 | 77.35 | 23.65 | 7.48 | 10 | 70.11 | 31.95 | 10.10 | 10 | 79.63 | 43.13 | 13.64 |
| | 3 | 10 | 47.17 | 17.14 | 5.42 | 10 | 42.96 | 16.53 | 5.23 | 10 | 43.61 | 18.19 | 5.75 |
| | 4 | 10 | 38.91 | 12.83 | 4.06 | 10 | 37.62 | 19.15 | 6.06 | 10 | 35.46 | 12.44 | 3.93 |
| | 5 | 10 | 37.46 | 7.94 | 2.51 | 10 | 30.36 | 11.71 | 3.70 | 10 | 30.55 | 8.29 | 2.62 |
| | 6 | 10 | 11.87 | 5.16 | 1.63 | 10 | 11.85 | 3.65 | 1.15 | 10 | 12.08 | 6.99 | 2.21 |
| | 7 | 10 | 34.64 | 15.12 | 4.78 | 10 | 21.35 | 10.89 | 3.44 | 10 | 24.02 | 9.81 | 3.10 |
| | 8 | 10 | 0.09 | 0.19 | 0.06 | 10 | 0.07 | 0.22 | 0.07 | 10 | 0.07 | 0.21 | 0.07 |
| | 9 | 10 | 360.93 | 82.23 | 26.00 | 10 | 346.86 | 91.90 | 29.06 | 10 | 328.46 | 65.63 | 20.75 |
| 600-Minute | 1 | 10 | 160.95 | 76.00 | 24.03 | 10 | 183.57 | 72.11 | 22.80 | 10 | 178.97 | 70.67 | 22.35 |
| | 2 | 10 | 72.15 | 48.18 | 15.24 | 10 | 96.78 | 46.60 | 14.73 | 10 | 86.69 | 41.59 | 13.15 |
| | 3 | 10 | 46.29 | 17.61 | 5.57 | 10 | 53.16 | 12.34 | 3.90 | 10 | 53.29 | 40.88 | 12.93 |
| | 4 | 10 | 58.81 | 22.11 | 6.99 | 10 | 67.63 | 13.67 | 4.32 | 10 | 48.96 | 22.61 | 7.15 |
| | 5 | 10 | 51.98 | 18.39 | 5.81 | 10 | 60.36 | 23.97 | 7.58 | 10 | 39.33 | 16.74 | 5.29 |
| | 6 | 10 | 25.14 | 20.97 | 6.63 | 10 | 17.74 | 6.36 | 2.01 | 10 | 14.30 | 7.26 | 2.30 |
| | 7 | 10 | 59.05 | 34.33 | 10.86 | 10 | 54.80 | 15.71 | 4.97 | 10 | 50.37 | 50.60 | 16.00 |
| | 8 | 10 | 0.23 | 0.34 | 0.11 | 10 | 0.23 | 0.40 | 0.13 | 10 | 0.18 | 0.39 | 0.12 |
| | 9 | 10 | 390.18 | 117.68 | 37.21 | 10 | 461.50 | 93.73 | 29.64 | 10 | 407.24 | 144.39 | 45.66 |
| | 1 | 3 | 174.50 | 11.96 | 6.90 | 3 | 174.50 | 11.96 | 6.90 | 3 | 174.50 | 11.96 | 6.90 |
| | 2 | 3 | 85.21 | 12.38 | 7.15 | 3 | 85.21 | 12.38 | 7.15 | 3 | 85.21 | 12.38 | 7.15 |
| | 3 | 3 | 50.91 | 4.00 | 2.31 | 3 | 50.91 | 4.00 | 2.31 | 3 | 50.91 | 4.00 | 2.31 |
| | 4 | 3 | 58.47 | 9.34 | 5.39 | 3 | 58.47 | 9.34 | 5.39 | 3 | 58.47 | 9.34 | 5.39 |
| | 5 | 3 | 50.56 | 10.58 | 6.11 | 3 | 50.56 | 10.58 | 6.11 | 3 | 50.56 | 10.58 | 6.11 |
| | 6 | 3 | 19.06 | 5.54 | 3.20 | 3 | 19.06 | 5.54 | 3.20 | 3 | 19.06 | 5.54 | 3.20 |
| | 7 | 3 | 54.74 | 4.34 | 2.51 | 3 | 54.74 | 4.34 | 2.51 | 3 | 54.74 | 4.34 | 2.51 |
| | 8 | 3 | 0.22 | 0.03 | 0.02 | 3 | 0.22 | 0.03 | 0.02 | 3 | 0.22 | 0.03 | 0.02 |
| | 9 | 3 | 419.64 | 37.24 | 21.50 | 3 | 419.64 | 37.24 | 21.50 | 3 | 419.64 | 37.24 | 21.50 |

PARAMETER = Total Power
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | | Windows 11-20 | | | | Windows 21-30 | | | | Grand Mean | | | |
|------------|------------|--------------|--------|--------|-------|---------------|--------|--------|-------|---------------|--------|--------|-------|------------|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| 300-Minute | 1 | 10 | 237.46 | 57.65 | 18.23 | 10 | 155.21 | 66.84 | 21.14 | 10 | 180.89 | 77.00 | 24.35 | 3 | 191.18 | 42.08 | 24.30 |
| | 2 | 10 | 100.20 | 31.74 | 10.04 | 10 | 80.61 | 35.00 | 11.07 | 10 | 109.51 | 59.48 | 18.81 | 3 | 96.77 | 14.75 | 8.52 |
| | 3 | 10 | 65.08 | 17.79 | 5.63 | 10 | 52.81 | 14.62 | 4.62 | 10 | 56.19 | 24.13 | 7.63 | 3 | 58.02 | 6.34 | 3.66 |
| | 4 | 10 | 51.95 | 14.44 | 4.57 | 10 | 46.52 | 16.14 | 5.10 | 10 | 45.64 | 18.12 | 5.73 | 3 | 48.03 | 3.42 | 1.97 |
| | 5 | 10 | 49.49 | 20.90 | 6.61 | 10 | 43.37 | 8.83 | 2.79 | 10 | 42.66 | 19.25 | 6.09 | 3 | 45.17 | 3.76 | 2.17 |
| | 6 | 10 | 14.90 | 5.13 | 1.62 | 10 | 15.86 | 5.35 | 1.69 | 10 | 13.31 | 6.29 | 1.99 | 3 | 14.69 | 1.29 | 0.74 |
| | 7 | 10 | 44.22 | 16.51 | 5.22 | 10 | 37.75 | 12.16 | 3.85 | 10 | 32.38 | 7.84 | 2.48 | 3 | 38.12 | 5.93 | 3.42 |
| | 8 | 10 | 0.35 | 0.63 | 0.20 | 10 | 0.18 | 0.32 | 0.10 | 10 | 0.00 | 0.00 | 0.00 | 3 | 0.18 | 0.18 | 0.10 |
| | 9 | 10 | 504.17 | 91.67 | 28.99 | 10 | 378.51 | 77.71 | 24.57 | 10 | 434.87 | 93.98 | 29.72 | 3 | 439.18 | 62.94 | 36.34 |
| 600-Minute | 1 | 10 | 198.60 | 124.53 | 39.38 | 10 | 236.61 | 73.12 | 23.12 | 10 | 236.69 | 111.35 | 35.21 | 3 | 223.97 | 21.97 | 12.68 |
| | 2 | 10 | 95.31 | 59.27 | 18.74 | 10 | 123.44 | 74.50 | 23.56 | 10 | 93.11 | 56.45 | 17.85 | 3 | 103.95 | 16.91 | 9.77 |
| | 3 | 10 | 59.79 | 17.70 | 5.60 | 10 | 69.07 | 26.70 | 8.44 | 10 | 67.54 | 38.62 | 12.21 | 3 | 65.47 | 4.98 | 2.87 |
| | 4 | 10 | 84.42 | 41.32 | 13.07 | 10 | 61.05 | 13.64 | 4.31 | 10 | 61.13 | 39.52 | 12.50 | 3 | 68.87 | 13.47 | 7.78 |
| | 5 | 10 | 82.14 | 72.42 | 22.90 | 10 | 46.98 | 24.65 | 7.80 | 10 | 57.29 | 58.08 | 18.37 | 3 | 62.14 | 18.08 | 10.44 |
| | 6 | 10 | 29.73 | 21.73 | 6.87 | 10 | 20.94 | 7.18 | 2.27 | 10 | 19.64 | 16.65 | 5.27 | 3 | 23.43 | 5.49 | 3.17 |
| | 7 | 10 | 90.01 | 83.93 | 26.54 | 10 | 38.80 | 15.63 | 4.94 | 10 | 42.26 | 51.88 | 16.41 | 3 | 57.02 | 28.62 | 16.52 |
| | 8 | 10 | 0.41 | 0.69 | 0.22 | 10 | 0.04 | 0.12 | 0.04 | 10 | 0.33 | 0.66 | 0.21 | 3 | 0.26 | 0.20 | 0.11 |
| | 9 | 10 | 520.26 | 235.47 | 74.46 | 10 | 537.15 | 104.46 | 33.03 | 10 | 515.76 | 170.87 | 54.03 | 3 | 524.39 | 11.28 | 6.51 |

PARAMETER = Total Power
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | | Windows 11-20 | | | | Windows 21-30 | | | | Grand Mean | | | |
|------------|------------|--------------|--------|-------|-------|---------------|--------|-------|-------|---------------|--------|-------|-------|------------|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| 300-Minute | 1 | 10 | 85.92 | 43.77 | 13.84 | 10 | 80.84 | 21.38 | 6.76 | 10 | 66.19 | 30.38 | 9.61 | 3 | 77.65 | 10.25 | 5.92 |
| | 2 | 10 | 41.78 | 12.46 | 3.94 | 10 | 36.40 | 12.84 | 4.06 | 10 | 36.80 | 24.02 | 7.59 | 3 | 38.33 | 3.00 | 1.73 |
| | 3 | 10 | 33.13 | 15.33 | 4.85 | 10 | 27.39 | 10.19 | 3.22 | 10 | 20.84 | 6.72 | 2.12 | 3 | 27.12 | 6.15 | 3.55 |
| | 4 | 10 | 27.76 | 7.77 | 2.46 | 10 | 18.46 | 6.88 | 2.17 | 10 | 23.17 | 12.74 | 4.03 | 3 | 23.13 | 4.65 | 2.69 |
| | 5 | 10 | 13.29 | 4.90 | 1.55 | 10 | 12.65 | 4.50 | 1.42 | 10 | 11.85 | 4.00 | 1.27 | 3 | 12.60 | 0.72 | 0.42 |
| | 6 | 10 | 4.64 | 1.36 | 0.43 | 10 | 4.17 | 1.98 | 0.63 | 10 | 4.87 | 1.29 | 0.41 | 3 | 4.56 | 0.36 | 0.21 |
| | 7 | 10 | 7.46 | 3.79 | 1.20 | 10 | 7.21 | 3.19 | 1.01 | 10 | 5.78 | 2.36 | 0.75 | 3 | 6.82 | 0.91 | 0.52 |
| | 8 | 10 | 0.00 | 0.00 | 0.00 | 10 | 0.00 | 0.00 | 0.00 | 10 | 0.00 | 0.00 | 0.00 | 3 | 0.00 | 0.00 | 0.00 |
| | 9 | 10 | 201.89 | 51.16 | 16.18 | 10 | 175.73 | 32.89 | 10.40 | 10 | 158.86 | 57.98 | 18.33 | 3 | 178.82 | 21.68 | 12.52 |
| 600-Minute | 1 | 10 | 85.50 | 19.07 | 6.03 | 10 | 87.21 | 46.80 | 14.80 | 10 | 59.49 | 18.55 | 5.87 | 3 | 77.40 | 15.53 | 8.97 |
| | 2 | 10 | 39.08 | 23.08 | 7.30 | 10 | 48.28 | 30.44 | 9.63 | 10 | 38.04 | 15.08 | 4.77 | 3 | 41.80 | 5.64 | 3.25 |
| | 3 | 10 | 39.27 | 13.38 | 4.23 | 10 | 37.95 | 18.51 | 5.85 | 10 | 31.14 | 25.15 | 7.95 | 3 | 36.12 | 4.36 | 2.52 |
| | 4 | 10 | 36.39 | 15.29 | 4.84 | 10 | 40.39 | 16.65 | 5.26 | 10 | 29.32 | 18.68 | 5.91 | 3 | 35.37 | 5.61 | 3.24 |
| | 5 | 10 | 16.30 | 7.19 | 2.28 | 10 | 15.87 | 5.75 | 1.82 | 10 | 14.69 | 7.16 | 2.26 | 3 | 15.62 | 0.84 | 0.48 |
| | 6 | 10 | 5.92 | 2.32 | 0.73 | 10 | 6.26 | 1.87 | 0.59 | 10 | 6.37 | 2.63 | 0.83 | 3 | 6.18 | 0.23 | 0.13 |
| | 7 | 10 | 12.27 | 7.28 | 2.30 | 10 | 11.23 | 5.38 | 1.70 | 10 | 10.87 | 5.92 | 1.87 | 3 | 11.45 | 0.73 | 0.42 |
| | 8 | 10 | 0.02 | 0.06 | 0.02 | 10 | 0.02 | 0.06 | 0.02 | 10 | 0.02 | 0.07 | 0.02 | 3 | 0.02 | 0.00 | 0.00 |
| | 9 | 10 | 216.53 | 36.14 | 11.43 | 10 | 229.71 | 75.15 | 23.76 | 10 | 172.68 | 51.75 | 16.36 | 3 | 206.30 | 29.86 | 17.24 |

PARAMETER = Peak Frequency
CHANNEL = 4

[illegible]

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D345 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| 300-Minute | 1 | 8 | 1.94 | 0.42 | 0.15 | 9 | 2.67 | 0.94 | 0.31 | 8 | 2.31 | 0.80 | 0.28 |
| | 2 | 9 | 5.61 | 0.96 | 0.32 | 9 | 5.83 | 1.03 | 0.34 | 10 | 5.95 | 1.01 | 0.32 |
| | 3 | 10 | 10.20 | 1.46 | 0.46 | 10 | 10.40 | 1.22 | 0.39 | 10 | 10.80 | 1.38 | 0.44 |
| | 4 | 10 | 15.70 | 1.65 | 0.52 | 10 | 15.50 | 1.00 | 0.32 | 10 | 16.20 | 0.92 | 0.29 |
| | 5 | 10 | 21.25 | 1.11 | 0.35 | 10 | 21.45 | 2.27 | 0.72 | 8 | 21.19 | 2.27 | 0.80 |
| | 9 | 10 | 4.85 | 5.89 | 1.86 | 10 | 5.45 | 5.68 | 1.80 | 10 | 4.60 | 4.44 | 1.40 |
| 600-Minute | 1 | 9 | 2.39 | 0.82 | 0.27 | 6 | 2.17 | 0.75 | 0.31 | 7 | 2.29 | 0.64 | 0.24 |
| | 2 | 10 | 5.65 | 0.71 | 0.22 | 10 | 5.75 | 1.16 | 0.37 | 10 | 5.40 | 0.70 | 0.22 |
| | 3 | 10 | 11.30 | 1.11 | 0.35 | 10 | 10.50 | 1.11 | 0.35 | 9 | 9.39 | 1.02 | 0.34 |
| | 4 | 10 | 15.30 | 1.03 | 0.33 | 10 | 15.10 | 1.39 | 0.44 | 9 | 15.17 | 1.09 | 0.36 |
| | 5 | 10 | 21.85 | 2.19 | 0.69 | 9 | 19.89 | 1.71 | 0.57 | 9 | 21.11 | 1.96 | 0.65 |
| | 9 | 10 | 2.90 | 1.52 | 0.48 | 10 | 5.60 | 5.76 | 1.82 | 10 | 4.25 | 2.36 | 0.75 |

PARAMETER = Peak Frequency
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| 300-Minute | 1 | 10 | 2.20 | 0.71 | 0.23 | 7 | 1.93 | 0.73 | 0.28 | 10 | 2.30 | 0.79 | 0.25 | 3 | 2.14 | 0.19 | 0.11 |
| | 2 | 10 | 5.65 | 1.03 | 0.33 | 8 | 5.50 | 1.04 | 0.37 | 10 | 5.95 | 0.76 | 0.24 | 3 | 5.70 | 0.23 | 0.13 |
| | 3 | 9 | 10.06 | 1.29 | 0.43 | 9 | 10.39 | 1.19 | 0.40 | 10 | 10.45 | 1.28 | 0.40 | 3 | 10.30 | 0.21 | 0.12 |
| | 4 | 10 | 15.90 | 1.43 | 0.45 | 10 | 14.85 | 0.91 | 0.29 | 9 | 15.39 | 1.27 | 0.42 | 3 | 15.38 | 0.53 | 0.30 |
| | 5 | 9 | 20.50 | 1.97 | 0.66 | 10 | 21.25 | 1.84 | 0.58 | 10 | 21.05 | 1.88 | 0.59 | 3 | 20.93 | 0.39 | 0.22 |
| | 9 | 10 | 2.80 | 1.48 | 0.47 | 10 | 4.85 | 4.41 | 1.39 | 10 | 2.85 | 1.31 | 0.42 | 3 | 3.50 | 1.17 | 0.68 |
| 600-Minute | 1 | 9 | 2.50 | 0.56 | 0.19 | 7 | 2.07 | 0.45 | 0.17 | 10 | 2.50 | 0.71 | 0.22 | 3 | 2.36 | 0.25 | 0.14 |
| | 2 | 10 | 5.45 | 0.80 | 0.25 | 10 | 5.75 | 1.03 | 0.33 | 8 | 5.75 | 1.10 | 0.39 | 3 | 5.65 | 0.17 | 0.10 |
| | 3 | 10 | 11.60 | 0.99 | 0.31 | 10 | 10.55 | 1.12 | 0.35 | 9 | 9.94 | 1.33 | 0.44 | 3 | 10.70 | 0.84 | 0.48 |
| | 4 | 10 | 15.20 | 1.16 | 0.37 | 10 | 15.15 | 1.25 | 0.39 | 10 | 14.95 | 0.96 | 0.30 | 3 | 15.10 | 0.13 | 0.08 |
| | 5 | 10 | 20.00 | 0.97 | 0.31 | 9 | 19.72 | 1.33 | 0.44 | 10 | 20.75 | 1.50 | 0.47 | 3 | 20.16 | 0.53 | 0.31 |
| | 9 | 10 | 3.50 | 2.76 | 0.87 | 10 | 4.45 | 4.29 | 1.36 | 10 | 4.95 | 3.96 | 1.25 | 3 | 4.30 | 0.74 | 0.43 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D345 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | | | | |
| 300-Minute | 1 | 10 | 2.16 | 0.29 | 0.09 | 10 | 2.26 | 0.29 | 0.09 | 10 | 2.18 | 0.25 | 0.08 | 3 | 2.20 | 0.05 | 0.03 |
| | 2 | 10 | 5.42 | 0.26 | 0.08 | 10 | 5.42 | 0.26 | 0.08 | 10 | 5.34 | 0.34 | 0.11 | 3 | 5.39 | 0.05 | 0.03 |
| | 3 | 10 | 10.16 | 0.29 | 0.09 | 10 | 10.01 | 0.52 | 0.17 | 10 | 10.05 | 0.40 | 0.13 | 3 | 10.07 | 0.08 | 0.04 |
| | 4 | 10 | 15.08 | 0.43 | 0.13 | 10 | 15.25 | 0.41 | 0.13 | 10 | 15.17 | 0.45 | 0.14 | 3 | 15.17 | 0.09 | 0.05 |
| | 5 | 10 | 20.48 | 0.41 | 0.13 | 10 | 20.50 | 0.36 | 0.12 | 10 | 20.45 | 0.44 | 0.14 | 3 | 20.48 | 0.02 | 0.01 |
| 600-Minute | 9 | 10 | 6.99 | 0.83 | 0.26 | 10 | 7.92 | 1.30 | 0.41 | 10 | 7.22 | 1.28 | 0.40 | 3 | 7.38 | 0.48 | 0.28 |
| | 1 | 10 | 2.07 | 0.24 | 0.07 | 10 | 2.15 | 0.25 | 0.08 | 10 | 2.20 | 0.36 | 0.11 | 3 | 2.14 | 0.07 | 0.04 |
| | 2 | 10 | 5.56 | 0.20 | 0.06 | 10 | 5.40 | 0.33 | 0.10 | 10 | 5.44 | 0.31 | 0.10 | 3 | 5.47 | 0.08 | 0.05 |
| | 3 | 10 | 10.21 | 0.40 | 0.13 | 10 | 10.04 | 0.47 | 0.15 | 10 | 9.98 | 0.31 | 0.10 | 3 | 10.08 | 0.12 | 0.07 |
| | 4 | 10 | 15.15 | 0.45 | 0.14 | 10 | 15.17 | 0.47 | 0.15 | 10 | 15.24 | 0.45 | 0.14 | 3 | 15.19 | 0.05 | 0.03 |
| | 5 | 10 | 21.02 | 0.70 | 0.22 | 10 | 20.73 | 0.45 | 0.14 | 10 | 20.62 | 0.41 | 0.13 | 3 | 20.79 | 0.20 | 0.12 |
| | 9 | 10 | 8.76 | 2.48 | 0.78 | 10 | 7.09 | 1.37 | 0.43 | 10 | 7.42 | 1.78 | 0.56 | 3 | 7.76 | 0.88 | 0.51 |

PARAMETER = Mean Frequency
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| 300-Minute | 1 | 10 | 1.96 | 0.20 | 0.06 | 10 | 1.80 | 0.27 | 0.08 | 10 | 1.93 | 0.33 | 0.11 | 3 | 1.90 | 0.09 | 0.05 |
| | 2 | 10 | 5.61 | 0.30 | 0.09 | 10 | 5.31 | 0.28 | 0.09 | 10 | 5.38 | 0.37 | 0.12 | 3 | 5.43 | 0.15 | 0.09 |
| | 3 | 10 | 10.04 | 0.22 | 0.07 | 10 | 10.11 | 0.41 | 0.13 | 10 | 10.16 | 0.55 | 0.17 | 3 | 10.10 | 0.06 | 0.03 |
| | 4 | 10 | 15.22 | 0.37 | 0.12 | 10 | 15.11 | 0.46 | 0.14 | 10 | 15.30 | 0.21 | 0.07 | 3 | 15.21 | 0.10 | 0.06 |
| | 5 | 10 | 20.78 | 0.67 | 0.21 | 10 | 20.82 | 0.53 | 0.17 | 10 | 20.95 | 1.34 | 0.42 | 3 | 20.85 | 0.09 | 0.05 |
| | 9 | 10 | 7.64 | 2.32 | 0.73 | 10 | 6.29 | 1.18 | 0.37 | 10 | 6.87 | 2.01 | 0.64 | 3 | 6.93 | 0.67 | 0.39 |
| 600-Minute | 1 | 10 | 2.08 | 0.35 | 0.11 | 10 | 1.88 | 0.18 | 0.06 | 10 | 1.83 | 0.43 | 0.13 | 3 | 1.93 | 0.13 | 0.08 |
| | 2 | 10 | 5.58 | 0.25 | 0.08 | 10 | 5.55 | 0.36 | 0.11 | 10 | 5.43 | 0.30 | 0.09 | 3 | 5.52 | 0.08 | 0.05 |
| | 3 | 10 | 10.33 | 0.52 | 0.17 | 10 | 10.09 | 0.20 | 0.06 | 10 | 9.85 | 0.34 | 0.11 | 3 | 10.09 | 0.24 | 0.14 |
| | 4 | 10 | 15.20 | 0.47 | 0.15 | 10 | 14.99 | 0.53 | 0.17 | 10 | 15.34 | 0.54 | 0.17 | 3 | 15.17 | 0.18 | 0.10 |
| | 5 | 10 | 21.04 | 0.70 | 0.22 | 10 | 20.76 | 0.51 | 0.16 | 10 | 20.89 | 0.74 | 0.24 | 3 | 20.90 | 0.14 | 0.08 |
| | 9 | 10 | 8.33 | 1.46 | 0.46 | 10 | 7.40 | 2.03 | 0.64 | 10 | 7.32 | 1.65 | 0.52 | 3 | 7.68 | 0.56 | 0.32 |

PARAMETER = Mean Frequency
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| 300-Minute | 1 | 10 | 2.08 | 0.23 | 0.07 | 10 | 1.95 | 0.24 | 0.08 | 10 | 2.05 | 0.28 | 0.09 | 3 | 2.03 | 0.07 | 0.04 |
| | 2 | 10 | 5.63 | 0.23 | 0.07 | 10 | 5.44 | 0.41 | 0.13 | 10 | 5.46 | 0.33 | 0.10 | 3 | 5.51 | 0.10 | 0.06 |
| | 3 | 10 | 9.88 | 0.44 | 0.14 | 10 | 10.19 | 0.45 | 0.14 | 10 | 10.17 | 0.44 | 0.14 | 3 | 10.08 | 0.17 | 0.10 |
| | 4 | 10 | 15.24 | 0.39 | 0.12 | 10 | 15.09 | 0.31 | 0.10 | 10 | 15.18 | 0.36 | 0.11 | 3 | 15.17 | 0.08 | 0.04 |
| | 5 | 10 | 20.60 | 0.40 | 0.13 | 10 | 20.77 | 0.42 | 0.13 | 10 | 20.61 | 0.62 | 0.20 | 3 | 20.66 | 0.09 | 0.05 |
| 600-Minute | 9 | 10 | 7.36 | 1.45 | 0.46 | 10 | 6.72 | 1.00 | 0.31 | 10 | 7.35 | 1.35 | 0.43 | 3 | 7.14 | 0.37 | 0.21 |
| | 1 | 10 | 2.09 | 0.32 | 0.10 | 10 | 2.10 | 0.27 | 0.09 | 10 | 2.19 | 0.15 | 0.05 | 3 | 2.13 | 0.06 | 0.03 |
| | 2 | 10 | 5.54 | 0.18 | 0.06 | 10 | 5.54 | 0.39 | 0.12 | 10 | 5.45 | 0.47 | 0.15 | 3 | 5.51 | 0.06 | 0.03 |
| | 3 | 10 | 10.58 | 0.30 | 0.10 | 10 | 10.25 | 0.23 | 0.07 | 10 | 9.95 | 0.41 | 0.13 | 3 | 10.26 | 0.31 | 0.18 |
| | 4 | 10 | 14.97 | 0.27 | 0.09 | 10 | 15.04 | 0.39 | 0.12 | 10 | 14.90 | 0.32 | 0.10 | 3 | 14.97 | 0.07 | 0.04 |
| | 5 | 10 | 20.58 | 0.53 | 0.17 | 10 | 20.74 | 0.45 | 0.14 | 10 | 20.82 | 0.38 | 0.12 | 3 | 20.71 | 0.13 | 0.07 |
| | 9 | 10 | 7.79 | 1.14 | 0.36 | 10 | 7.91 | 1.36 | 0.43 | 10 | 7.97 | 1.61 | 0.51 | 3 | 7.89 | 0.09 | 0.05 |

PARAMETER = Percent Power
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| 300-Minute | 1 | 10 | 42.80 | 12.07 | 3.82 | 10 | 46.84 | 9.24 | 2.92 | 10 | 42.02 | 12.30 | 3.89 | 3 | 43.88 | 2.59 | 1.49 |
| | 2 | 10 | 21.55 | 5.27 | 1.67 | 10 | 19.57 | 4.85 | 1.53 | 10 | 23.53 | 10.26 | 3.24 | 3 | 21.55 | 1.98 | 1.14 |
| | 3 | 10 | 13.57 | 4.96 | 1.57 | 10 | 12.65 | 4.37 | 1.38 | 10 | 13.63 | 5.85 | 1.85 | 3 | 13.28 | 0.55 | 0.32 |
| | 4 | 10 | 11.40 | 4.83 | 1.53 | 10 | 11.59 | 6.42 | 2.03 | 10 | 11.26 | 4.51 | 1.43 | 3 | 11.42 | 0.17 | 0.10 |
| | 5 | 10 | 10.68 | 2.48 | 0.78 | 10 | 9.34 | 4.37 | 1.38 | 10 | 9.57 | 3.46 | 1.09 | 3 | 9.86 | 0.71 | 0.41 |
| 600-Minute | 1 | 10 | 40.70 | 8.40 | 2.65 | 10 | 38.70 | 11.41 | 3.61 | 10 | 43.81 | 9.92 | 3.14 | 3 | 41.07 | 2.58 | 1.49 |
| | 2 | 10 | 18.01 | 8.27 | 2.62 | 10 | 20.75 | 7.38 | 2.34 | 10 | 21.34 | 6.47 | 2.05 | 3 | 20.03 | 1.77 | 1.02 |
| | 3 | 10 | 12.03 | 3.61 | 1.14 | 10 | 12.19 | 4.93 | 1.56 | 10 | 12.16 | 4.87 | 1.54 | 3 | 12.13 | 0.08 | 0.05 |
| | 4 | 10 | 15.06 | 3.12 | 0.99 | 10 | 14.98 | 3.35 | 1.06 | 10 | 12.61 | 6.44 | 2.04 | 3 | 14.22 | 1.39 | 0.80 |
| | 5 | 10 | 14.19 | 5.79 | 1.83 | 10 | 13.38 | 4.81 | 1.52 | 10 | 10.08 | 3.94 | 1.24 | 3 | 12.55 | 2.18 | 1.26 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D345 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| 300-Minute | 1 | 10 | 46.83 | 8.16 | 2.58 | 10 | 39.67 | 8.87 | 2.80 | 10 | 41.58 | 14.55 | 4.60 |
| | 2 | 10 | 19.90 | 5.43 | 1.72 | 10 | 21.18 | 8.02 | 2.54 | 10 | 24.74 | 12.19 | 3.85 |
| | 3 | 10 | 13.02 | 3.18 | 1.00 | 10 | 14.11 | 3.61 | 1.14 | 10 | 12.83 | 4.81 | 1.52 |
| | 4 | 10 | 10.38 | 2.56 | 0.81 | 10 | 13.14 | 6.44 | 2.04 | 10 | 10.60 | 3.86 | 1.22 |
| | 5 | 10 | 9.87 | 4.14 | 1.31 | 10 | 11.90 | 3.48 | 1.10 | 10 | 10.25 | 5.63 | 1.78 |
| 600-Minute | 1 | 10 | 38.00 | 11.39 | 3.60 | 10 | 44.19 | 11.89 | 3.76 | 10 | 45.42 | 14.78 | 4.67 |
| | 2 | 10 | 17.92 | 4.33 | 1.37 | 10 | 21.82 | 9.44 | 2.98 | 10 | 18.41 | 10.13 | 3.20 |
| | 3 | 10 | 12.47 | 3.94 | 1.25 | 10 | 13.33 | 5.74 | 1.82 | 10 | 12.77 | 4.75 | 1.50 |
| | 4 | 10 | 16.55 | 5.10 | 1.61 | 10 | 11.76 | 3.62 | 1.15 | 10 | 12.50 | 8.29 | 2.62 |
| | 5 | 10 | 15.06 | 11.04 | 3.49 | 10 | 8.90 | 4.64 | 1.47 | 10 | 10.90 | 8.25 | 2.61 |
| | | | | | | | | | | | 42.54 | 3.98 | 2.30 |
| | | | | | | | | | | | 19.38 | 2.13 | 1.23 |
| | | | | | | | | | | | 12.86 | 0.44 | 0.25 |
| | | | | | | | | | | | 13.60 | 2.58 | 1.49 |
| | | | | | | | | | | | 11.62 | 3.15 | 1.82 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D345 DOSED WITH 0.1 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | |
| 300-Minute | 1 | 10 | 44.01 | 14.84 | 4.69 | 10 | 54.35 | 8.91 | 2.82 | 10 | 45.64 | 13.24 | 4.19 | 3.21 |
| | 2 | 10 | 17.70 | 6.16 | 1.95 | 10 | 15.60 | 5.59 | 1.77 | 10 | 20.75 | 8.90 | 2.82 | 1.49 |
| | 3 | 10 | 13.53 | 5.22 | 1.65 | 10 | 11.05 | 4.00 | 1.26 | 10 | 12.38 | 2.86 | 0.91 | 0.72 |
| | 4 | 10 | 13.21 | 5.38 | 1.70 | 10 | 10.17 | 4.20 | 1.33 | 10 | 14.14 | 11.02 | 3.49 | 1.20 |
| | 5 | 10 | 11.54 | 8.34 | 2.64 | 10 | 8.83 | 4.00 | 1.27 | 10 | 7.10 | 5.21 | 1.65 | 1.29 |
| 600-Minute | 1 | 10 | 35.42 | 10.68 | 3.38 | 10 | 43.75 | 16.29 | 5.15 | 10 | 42.82 | 12.24 | 3.87 | 2.64 |
| | 2 | 10 | 24.04 | 10.68 | 3.38 | 10 | 18.94 | 8.42 | 2.66 | 10 | 19.96 | 9.94 | 3.14 | 1.56 |
| | 3 | 10 | 13.30 | 3.88 | 1.23 | 10 | 12.96 | 3.85 | 1.22 | 10 | 14.60 | 6.08 | 1.92 | 0.50 |
| | 4 | 10 | 14.71 | 5.80 | 1.83 | 10 | 14.56 | 7.24 | 2.29 | 10 | 12.48 | 8.18 | 2.59 | 0.72 |
| | 5 | 10 | 12.53 | 5.56 | 1.76 | 10 | 9.79 | 5.39 | 1.71 | 10 | 10.14 | 3.83 | 1.21 | 0.86 |

PARAMETER = Percent Power
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| 300-Minute | 1 | 10 | 40.68 | 13.25 | 4.19 | 10 | 45.68 | 7.01 | 2.22 | 10 | 41.33 | 10.40 | 3.29 | 3 | 42.56 | 2.72 | 1.57 |
| | 2 | 10 | 21.12 | 5.04 | 1.59 | 10 | 21.04 | 7.87 | 2.49 | 10 | 22.00 | 8.64 | 2.73 | 3 | 21.39 | 0.53 | 0.31 |
| | 3 | 10 | 16.50 | 5.84 | 1.85 | 10 | 15.18 | 3.31 | 1.05 | 10 | 13.48 | 3.27 | 1.04 | 3 | 15.05 | 1.51 | 0.87 |
| | 4 | 10 | 14.57 | 5.47 | 1.73 | 10 | 10.67 | 4.38 | 1.39 | 10 | 14.92 | 7.02 | 2.22 | 3 | 13.39 | 2.36 | 1.36 |
| | 5 | 10 | 7.13 | 3.53 | 1.12 | 10 | 7.43 | 2.97 | 0.94 | 10 | 8.27 | 3.79 | 1.20 | 3 | 7.61 | 0.59 | 0.34 |
| 600-Minute | 1 | 10 | 40.12 | 9.92 | 3.14 | 10 | 37.08 | 12.21 | 3.86 | 10 | 35.38 | 10.89 | 3.44 | 3 | 37.53 | 2.40 | 1.39 |
| | 2 | 10 | 17.27 | 8.72 | 2.76 | 10 | 20.81 | 11.62 | 3.67 | 10 | 22.58 | 8.83 | 2.79 | 3 | 20.22 | 2.71 | 1.56 |
| | 3 | 10 | 18.03 | 5.45 | 1.72 | 10 | 16.23 | 5.29 | 1.67 | 10 | 16.38 | 7.25 | 2.29 | 3 | 16.88 | 1.00 | 0.58 |
| | 4 | 10 | 16.80 | 7.35 | 2.33 | 10 | 18.34 | 7.98 | 2.52 | 10 | 16.78 | 10.16 | 3.21 | 3 | 17.31 | 0.89 | 0.52 |
| | 5 | 10 | 7.77 | 3.61 | 1.14 | 10 | 7.53 | 3.44 | 1.09 | 10 | 8.87 | 4.99 | 1.58 | 3 | 8.06 | 0.72 | 0.41 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D345 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|--------|--------|---------------|----|--------|---------------|-------|----|------------|--------|-------|---|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 82.92 | 34.60 | 10.94 | 10 | 68.16 | 27.20 | 8.60 | 10 | 81.72 | 26.68 | 8.44 | 3 | 77.60 | 8.20 | 4.73 |
| | 2 | 10 | 58.24 | 28.26 | 8.94 | 10 | 97.24 | 80.96 | 25.60 | 10 | 76.87 | 28.57 | 9.03 | 3 | 77.45 | 19.51 | 11.26 |
| | 3 | 10 | 45.40 | 14.43 | 4.56 | 10 | 51.78 | 23.44 | 7.41 | 10 | 76.00 | 26.50 | 8.38 | 3 | 57.73 | 16.15 | 9.32 |
| | 4 | 10 | 74.56 | 37.54 | 11.87 | 10 | 88.65 | 56.97 | 18.02 | 10 | 132.92 | 98.22 | 31.06 | 3 | 98.71 | 30.45 | 17.58 |
| | 5 | 10 | 171.23 | 83.98 | 26.56 | 10 | 172.63 | 52.84 | 16.71 | 10 | 176.74 | 49.09 | 15.53 | 3 | 173.54 | 2.87 | 1.65 |
| | 6 | 10 | 85.38 | 65.57 | 20.74 | 10 | 56.97 | 34.48 | 10.90 | 10 | 41.48 | 9.74 | 3.08 | 3 | 61.28 | 22.27 | 12.86 |
| | 7 | 10 | 158.41 | 67.68 | 21.40 | 10 | 123.46 | 41.83 | 13.23 | 10 | 85.45 | 21.92 | 6.93 | 3 | 122.44 | 36.49 | 21.07 |
| | 8 | 10 | 1.15 | 0.84 | 0.27 | 10 | 1.08 | 0.72 | 0.23 | 10 | 0.51 | 0.34 | 0.11 | 3 | 0.91 | 0.35 | 0.20 |
| | 9 | 10 | 432.35 | 74.29 | 23.49 | 10 | 478.47 | 169.29 | 53.54 | 10 | 544.25 | 141.70 | 44.81 | 3 | 485.02 | 56.24 | 32.47 |
| 30-Minute | 1 | 10 | 111.32 | 49.58 | 15.68 | 10 | 103.55 | 50.96 | 16.11 | 10 | 85.06 | 38.20 | 12.08 | 3 | 99.98 | 13.49 | 7.79 |
| | 2 | 10 | 72.03 | 31.45 | 9.95 | 10 | 69.73 | 27.95 | 8.84 | 10 | 58.63 | 25.96 | 8.21 | 3 | 66.80 | 7.16 | 4.14 |
| | 3 | 10 | 63.49 | 33.13 | 10.48 | 10 | 52.49 | 34.57 | 10.93 | 10 | 47.81 | 14.64 | 4.63 | 3 | 54.59 | 8.05 | 4.65 |
| | 4 | 10 | 109.53 | 81.21 | 25.68 | 10 | 69.01 | 38.97 | 12.32 | 10 | 67.43 | 33.25 | 10.51 | 3 | 81.99 | 23.86 | 13.78 |
| | 5 | 10 | 65.75 | 21.27 | 6.73 | 10 | 85.31 | 26.19 | 8.28 | 10 | 98.72 | 21.24 | 6.72 | 3 | 83.26 | 16.58 | 9.57 |
| | 6 | 10 | 26.71 | 15.06 | 4.76 | 10 | 22.23 | 12.62 | 3.99 | 10 | 25.25 | 5.79 | 1.83 | 3 | 24.73 | 2.28 | 1.32 |
| | 7 | 10 | 47.77 | 25.31 | 8.00 | 10 | 67.42 | 17.28 | 5.46 | 10 | 64.72 | 8.46 | 2.67 | 3 | 59.97 | 10.65 | 6.15 |
| | 8 | 10 | 0.39 | 0.82 | 0.26 | 10 | 0.56 | 0.21 | 0.07 | 10 | 0.67 | 0.14 | 0.04 | 3 | 0.54 | 0.14 | 0.08 |
| | 9 | 10 | 422.12 | 149.83 | 47.38 | 10 | 380.10 | 115.76 | 36.61 | 10 | 357.65 | 60.26 | 19.06 | 3 | 386.62 | 32.73 | 18.89 |
| 90-Minute | 1 | 10 | 78.25 | 35.53 | 11.23 | 10 | 71.12 | 32.59 | 10.31 | 10 | 60.37 | 29.90 | 9.46 | 3 | 69.91 | 9.01 | 5.20 |
| | 2 | 10 | 61.98 | 41.83 | 13.23 | 10 | 59.16 | 22.86 | 7.23 | 10 | 76.14 | 46.29 | 14.64 | 3 | 65.76 | 9.10 | 5.25 |
| | 3 | 10 | 40.80 | 27.64 | 8.74 | 10 | 58.71 | 17.56 | 5.55 | 10 | 52.81 | 25.68 | 8.12 | 3 | 50.77 | 9.12 | 5.27 |
| | 4 | 10 | 63.74 | 42.22 | 13.35 | 10 | 71.39 | 17.42 | 5.51 | 10 | 87.67 | 47.89 | 15.14 | 3 | 74.27 | 12.22 | 7.06 |
| | 5 | 10 | 89.33 | 43.69 | 13.82 | 10 | 120.14 | 41.76 | 13.21 | 10 | 104.74 | 36.90 | 11.67 | 3 | 104.74 | 15.41 | 8.90 |
| | 6 | 10 | 43.06 | 33.79 | 10.68 | 10 | 47.88 | 22.81 | 7.21 | 10 | 39.56 | 20.30 | 6.42 | 3 | 43.50 | 4.18 | 2.41 |
| | 7 | 10 | 105.51 | 99.51 | 31.47 | 10 | 140.03 | 46.92 | 14.84 | 10 | 99.64 | 46.24 | 14.62 | 3 | 115.06 | 21.82 | 12.60 |
| | 8 | 10 | 0.72 | 0.89 | 0.28 | 10 | 1.37 | 0.62 | 0.20 | 10 | 0.73 | 0.36 | 0.11 | 3 | 0.94 | 0.37 | 0.21 |
| | 9 | 10 | 334.11 | 153.70 | 48.61 | 10 | 380.53 | 90.00 | 28.46 | 10 | 382.01 | 131.80 | 41.68 | 3 | 365.55 | 27.24 | 15.73 |
| 300-Minute | 1 | 10 | 70.70 | 30.85 | 9.76 | 10 | 61.22 | 19.00 | 6.01 | 10 | 69.03 | 34.72 | 10.98 | 3 | 66.98 | 5.06 | 2.92 |
| | 2 | 10 | 64.72 | 31.01 | 9.81 | 10 | 57.36 | 23.11 | 7.31 | 10 | 63.34 | 15.70 | 4.96 | 3 | 61.81 | 3.92 | 2.26 |
| | 3 | 10 | 58.01 | 23.96 | 7.58 | 10 | 55.84 | 16.14 | 5.10 | 10 | 44.81 | 21.03 | 6.65 | 3 | 52.88 | 7.08 | 4.09 |
| | 4 | 10 | 99.26 | 51.75 | 16.36 | 10 | 80.59 | 23.17 | 7.33 | 10 | 74.77 | 30.19 | 9.55 | 3 | 84.88 | 12.80 | 7.39 |
| | 5 | 10 | 90.25 | 46.73 | 14.78 | 10 | 130.29 | 53.11 | 16.80 | 10 | 76.79 | 30.79 | 9.74 | 3 | 99.11 | 27.83 | 16.07 |
| | 6 | 10 | 43.90 | 19.21 | 6.07 | 10 | 67.43 | 31.18 | 9.86 | 10 | 21.96 | 5.82 | 1.84 | 3 | 44.43 | 22.74 | 13.13 |
| | 7 | 10 | 135.16 | 82.42 | 26.06 | 10 | 244.01 | 120.30 | 38.04 | 10 | 84.38 | 18.45 | 5.83 | 3 | 154.51 | 81.56 | 47.09 |
| | 8 | 10 | 1.67 | 1.55 | 0.49 | 10 | 4.27 | 3.06 | 0.97 | 10 | 0.83 | 0.54 | 0.17 | 3 | 2.26 | 1.79 | 1.04 |
| | 9 | 10 | 382.94 | 114.30 | 36.14 | 10 | 385.29 | 74.64 | 23.60 | 10 | 328.73 | 84.85 | 26.83 | 3 | 365.65 | 31.99 | 18.47 |

TASK: 89-09

DESCRIPTIVE STATISTICS FOR ANIMAL D345 DOSED WITH 0.0 mg/kg OF ATROPINE IM
TASK: 89-09

PARAMETER = Total power
CHANNEL = 4 (Continued)

| Blood Draw | Freq-Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|-----------|--------------|--------|--------|---------------|----|--------|---------------|-------|----|------------|-------|-------|---|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| 600-Minute | 1 | 10 | 89.58 | 71.73 | 22.68 | 10 | 58.56 | 21.61 | 6.83 | 10 | 83.59 | 34.53 | 10.92 | 3 | 77.24 | 16.46 | 9.50 |
| | 2 | 10 | 87.86 | 47.59 | 15.05 | 10 | 63.26 | 32.14 | 10.16 | 10 | 94.41 | 36.11 | 11.42 | 3 | 81.84 | 16.42 | 9.48 |
| | 3 | 10 | 64.94 | 33.48 | 10.59 | 10 | 62.37 | 23.58 | 7.46 | 10 | 61.38 | 14.54 | 4.60 | 3 | 62.90 | 1.84 | 1.06 |
| | 4 | 10 | 113.22 | 74.39 | 23.53 | 10 | 97.11 | 47.27 | 14.95 | 10 | 100.19 | 59.98 | 18.97 | 3 | 103.51 | 8.55 | 4.94 |
| | 5 | 10 | 64.52 | 30.90 | 9.77 | 10 | 112.01 | 64.97 | 20.55 | 10 | 73.42 | 23.84 | 7.54 | 3 | 83.32 | 25.24 | 14.57 |
| | 6 | 10 | 25.97 | 12.40 | 3.92 | 10 | 49.69 | 16.78 | 5.31 | 10 | 32.07 | 16.24 | 5.14 | 3 | 35.91 | 12.32 | 7.11 |
| | 7 | 10 | 96.20 | 46.22 | 14.62 | 10 | 245.83 | 112.13 | 35.46 | 10 | 121.22 | 61.40 | 19.42 | 3 | 154.42 | 80.15 | 46.27 |
| | 8 | 10 | 0.79 | 0.70 | 0.22 | 10 | 3.05 | 2.19 | 0.69 | 10 | 1.27 | 0.90 | 0.29 | 3 | 1.70 | 1.19 | 0.69 |
| | 9 | 10 | 420.13 | 180.90 | 57.21 | 10 | 393.31 | 97.99 | 30.99 | 10 | 412.99 | 87.21 | 27.58 | 3 | 408.81 | 13.89 | 8.02 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D345 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|--------|--------|---------------|----|--------|---------------|-------|----|------------|--------|-------|---|--------|--------|--------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 73.45 | 35.27 | 11.15 | 10 | 74.58 | 30.85 | 9.75 | 10 | 79.23 | 35.45 | 11.21 | 3 | 75.75 | 3.06 | 1.77 |
| | 2 | 10 | 48.32 | 26.24 | 8.30 | 10 | 88.10 | 39.10 | 12.37 | 10 | 102.58 | 55.90 | 17.68 | 3 | 79.67 | 28.09 | 16.22 |
| | 3 | 10 | 40.82 | 18.49 | 5.85 | 10 | 54.43 | 25.66 | 8.11 | 10 | 78.12 | 35.82 | 11.33 | 3 | 57.79 | 18.88 | 10.90 |
| | 4 | 10 | 61.18 | 50.63 | 16.01 | 10 | 85.49 | 42.42 | 13.41 | 10 | 148.63 | 132.93 | 42.04 | 3 | 98.43 | 45.14 | 26.06 |
| | 5 | 10 | 74.48 | 81.87 | 25.89 | 10 | 159.34 | 44.63 | 14.11 | 10 | 242.99 | 67.69 | 21.41 | 3 | 158.94 | 84.26 | 48.65 |
| | 6 | 10 | 32.80 | 28.17 | 8.91 | 10 | 119.41 | 33.41 | 10.57 | 10 | 133.54 | 76.12 | 24.07 | 3 | 95.25 | 54.54 | 31.49 |
| | 7 | 10 | 85.59 | 109.18 | 34.53 | 10 | 136.63 | 44.59 | 14.10 | 10 | 137.92 | 28.63 | 9.05 | 3 | 120.05 | 29.84 | 17.23 |
| | 8 | 10 | 0.78 | 1.33 | 0.42 | 10 | 1.47 | 1.48 | 0.47 | 10 | 0.99 | 0.55 | 0.17 | 3 | 1.08 | 0.35 | 0.20 |
| | 9 | 10 | 298.25 | 160.80 | 50.85 | 10 | 461.94 | 131.61 | 41.62 | 10 | 651.55 | 235.74 | 74.55 | 3 | 470.58 | 176.81 | 102.08 |
| 30-Minute | 1 | 10 | 90.86 | 43.84 | 13.86 | 10 | 89.01 | 55.98 | 17.70 | 10 | 85.50 | 17.06 | 5.39 | 3 | 88.45 | 2.72 | 1.57 |
| | 2 | 10 | 63.33 | 17.86 | 5.65 | 10 | 67.00 | 29.06 | 9.19 | 10 | 67.16 | 36.75 | 11.62 | 3 | 65.83 | 2.17 | 1.25 |
| | 3 | 10 | 72.91 | 44.56 | 14.09 | 10 | 58.17 | 25.59 | 8.09 | 10 | 55.22 | 19.62 | 6.21 | 3 | 62.10 | 9.48 | 5.47 |
| | 4 | 10 | 128.03 | 82.24 | 26.01 | 10 | 72.57 | 39.49 | 12.49 | 10 | 66.84 | 26.73 | 8.45 | 3 | 89.15 | 33.79 | 19.51 |
| | 5 | 10 | 113.10 | 30.20 | 9.55 | 10 | 118.11 | 39.25 | 12.41 | 10 | 150.55 | 27.50 | 8.70 | 3 | 127.25 | 20.33 | 11.74 |
| | 6 | 10 | 89.76 | 72.22 | 22.84 | 10 | 70.44 | 44.25 | 13.99 | 10 | 61.81 | 14.02 | 4.43 | 3 | 74.01 | 14.31 | 8.26 |
| | 7 | 10 | 102.33 | 76.68 | 24.25 | 10 | 111.13 | 24.26 | 7.67 | 10 | 100.83 | 21.46 | 6.79 | 3 | 104.76 | 5.57 | 3.21 |
| | 8 | 10 | 0.76 | 0.89 | 0.28 | 10 | 1.30 | 0.88 | 0.28 | 10 | 0.71 | 0.42 | 0.13 | 3 | 0.93 | 0.33 | 0.19 |
| | 9 | 10 | 468.21 | 164.99 | 52.18 | 10 | 404.87 | 119.21 | 37.70 | 10 | 425.27 | 64.65 | 20.44 | 3 | 432.78 | 32.33 | 18.67 |
| 90-Minute | 1 | 10 | 67.15 | 48.11 | 15.21 | 10 | 58.13 | 20.64 | 6.53 | 10 | 64.90 | 13.63 | 4.31 | 3 | 63.39 | 4.70 | 2.71 |
| | 2 | 10 | 62.49 | 40.50 | 12.81 | 10 | 50.82 | 19.73 | 6.24 | 10 | 78.26 | 33.45 | 10.58 | 3 | 63.86 | 13.77 | 7.95 |
| | 3 | 10 | 49.16 | 29.01 | 9.17 | 10 | 62.72 | 22.86 | 7.23 | 10 | 55.61 | 27.63 | 8.74 | 3 | 55.83 | 6.78 | 3.92 |
| | 4 | 10 | 92.83 | 65.70 | 20.77 | 10 | 116.68 | 49.49 | 15.65 | 10 | 119.72 | 51.00 | 16.13 | 3 | 109.74 | 14.73 | 8.50 |
| | 5 | 10 | 172.12 | 67.43 | 21.32 | 10 | 215.30 | 58.92 | 18.63 | 10 | 169.39 | 56.36 | 17.82 | 3 | 185.60 | 25.75 | 14.87 |
| | 6 | 10 | 136.87 | 71.71 | 22.68 | 10 | 139.35 | 41.15 | 13.01 | 10 | 95.03 | 111.71 | 35.33 | 3 | 123.75 | 24.91 | 14.38 |
| | 7 | 10 | 212.73 | 155.43 | 49.15 | 10 | 346.69 | 117.28 | 37.09 | 10 | 181.13 | 91.82 | 29.04 | 3 | 246.85 | 87.90 | 50.75 |
| | 8 | 10 | 1.85 | 1.85 | 0.59 | 10 | 5.18 | 2.75 | 0.87 | 10 | 1.62 | 0.94 | 0.30 | 3 | 2.88 | 1.99 | 1.15 |
| | 9 | 10 | 443.76 | 185.91 | 58.79 | 10 | 503.65 | 97.31 | 30.77 | 10 | 488.58 | 99.38 | 31.43 | 3 | 478.66 | 31.15 | 17.98 |
| 300-Minute | 1 | 10 | 69.94 | 26.68 | 8.44 | 10 | 44.38 | 16.44 | 5.20 | 10 | 45.82 | 20.10 | 6.36 | 3 | 53.38 | 14.36 | 8.29 |
| | 2 | 10 | 64.64 | 24.47 | 7.74 | 10 | 49.97 | 19.32 | 6.11 | 10 | 70.76 | 26.85 | 8.49 | 3 | 61.79 | 10.68 | 6.17 |
| | 3 | 10 | 67.71 | 29.54 | 9.34 | 10 | 68.62 | 25.79 | 8.16 | 10 | 41.86 | 13.66 | 4.32 | 3 | 59.40 | 15.20 | 8.77 |
| | 4 | 10 | 101.93 | 27.94 | 8.84 | 10 | 82.38 | 20.45 | 6.47 | 10 | 67.18 | 25.77 | 8.15 | 3 | 83.83 | 17.42 | 10.06 |
| | 5 | 10 | 169.86 | 53.60 | 16.95 | 10 | 226.18 | 84.16 | 26.61 | 10 | 85.63 | 24.23 | 7.66 | 3 | 160.56 | 70.73 | 40.84 |
| | 6 | 10 | 78.28 | 40.16 | 12.70 | 10 | 141.11 | 47.82 | 15.12 | 10 | 32.31 | 13.55 | 4.28 | 3 | 83.90 | 54.62 | 31.53 |
| | 7 | 10 | 272.60 | 141.98 | 44.90 | 10 | 342.06 | 113.01 | 35.74 | 10 | 93.15 | 44.62 | 14.11 | 3 | 235.94 | 128.44 | 74.16 |
| | 8 | 10 | 4.24 | 3.71 | 1.17 | 10 | 4.26 | 1.82 | 0.58 | 10 | 1.02 | 0.53 | 0.17 | 3 | 3.17 | 1.87 | 1.08 |
| | 9 | 10 | 474.10 | 79.74 | 25.22 | 10 | 471.52 | 107.26 | 33.92 | 10 | 311.26 | 58.70 | 18.56 | 3 | 418.96 | 93.28 | 53.86 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D345 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 3 (Continued)

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|---------------|---------------|--------------|--------|--------|---------------|----|--------|---------------|-------|----|------------|--------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| 600-Minute | 1 | 10 | 68.98 | 32.98 | 10.43 | 10 | 53.14 | 23.41 | 7.40 | 10 | 94.00 | 32.30 | 10.21 |
| | 2 | 10 | 72.61 | 28.75 | 9.09 | 10 | 48.98 | 12.11 | 3.83 | 10 | 95.31 | 23.38 | 7.39 |
| | 3 | 10 | 73.14 | 45.15 | 14.28 | 10 | 75.09 | 23.29 | 7.36 | 10 | 74.69 | 28.23 | 8.93 |
| | 4 | 10 | 125.93 | 64.21 | 20.31 | 10 | 136.36 | 57.32 | 18.13 | 10 | 129.05 | 73.04 | 23.10 |
| | 5 | 10 | 121.38 | 55.88 | 17.67 | 10 | 180.46 | 53.61 | 16.95 | 10 | 181.41 | 41.34 | 13.07 |
| | 6 | 10 | 46.08 | 23.90 | 7.56 | 10 | 86.05 | 49.39 | 15.62 | 10 | 94.23 | 39.77 | 12.58 |
| | 7 | 10 | 151.46 | 64.34 | 20.35 | 10 | 346.41 | 122.75 | 38.82 | 10 | 246.75 | 91.15 | 28.82 |
| | 8 | 10 | 1.84 | 1.91 | 0.60 | 10 | 4.80 | 3.04 | 0.96 | 10 | 1.76 | 1.03 | 0.33 |
| | 9 | 10 | 462.04 | 157.32 | 49.75 | 10 | 494.02 | 76.62 | 24.23 | 10 | 574.46 | 120.47 | 38.10 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D345 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|--------|-------|---------------|----|--------|---------------|-------|----|------------|-------|-------|---|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 34.44 | 13.23 | 4.18 | 10 | 33.90 | 21.80 | 6.89 | 10 | 44.82 | 21.32 | 6.74 | 3 | 37.72 | 6.16 | 3.55 |
| | 2 | 10 | 20.06 | 7.65 | 2.42 | 10 | 26.79 | 12.15 | 3.84 | 10 | 31.28 | 8.48 | 2.68 | 3 | 26.04 | 5.65 | 3.26 |
| | 3 | 10 | 18.40 | 11.29 | 3.57 | 10 | 22.59 | 12.55 | 3.97 | 10 | 30.28 | 9.93 | 3.14 | 3 | 23.76 | 6.03 | 3.48 |
| | 4 | 10 | 27.51 | 10.90 | 3.45 | 10 | 37.78 | 21.40 | 6.77 | 10 | 36.53 | 17.19 | 5.44 | 3 | 33.94 | 5.61 | 3.24 |
| | 5 | 10 | 16.71 | 9.39 | 2.97 | 10 | 17.25 | 3.61 | 1.14 | 10 | 22.77 | 9.74 | 3.08 | 3 | 18.91 | 3.35 | 1.93 |
| | 6 | 10 | 5.05 | 2.27 | 0.72 | 10 | 12.79 | 5.56 | 1.76 | 10 | 10.24 | 3.77 | 1.19 | 3 | 9.36 | 3.95 | 2.28 |
| | 7 | 10 | 10.64 | 2.63 | 0.83 | 10 | 15.31 | 1.89 | 0.60 | 10 | 16.42 | 5.23 | 1.65 | 3 | 14.12 | 3.07 | 1.77 |
| | 8 | 10 | 0.03 | 0.06 | 0.02 | 10 | 0.14 | 0.16 | 0.05 | 10 | 0.06 | 0.09 | 0.03 | 3 | 0.08 | 0.06 | 0.03 |
| | 9 | 10 | 117.12 | 36.04 | 11.40 | 10 | 138.32 | 52.50 | 16.60 | 10 | 165.68 | 38.57 | 12.20 | 3 | 140.37 | 24.35 | 14.06 |
| 30-Minute | 1 | 10 | 45.38 | 34.33 | 10.85 | 10 | 48.95 | 33.35 | 10.55 | 10 | 41.36 | 24.85 | 7.86 | 3 | 45.23 | 3.80 | 2.19 |
| | 2 | 10 | 32.13 | 18.09 | 5.72 | 10 | 23.09 | 20.93 | 6.62 | 10 | 21.94 | 4.00 | 1.27 | 3 | 25.72 | 5.58 | 3.22 |
| | 3 | 10 | 28.73 | 13.82 | 4.37 | 10 | 25.88 | 17.80 | 5.63 | 10 | 22.18 | 5.71 | 1.80 | 3 | 25.59 | 3.28 | 1.90 |
| | 4 | 10 | 33.81 | 9.71 | 3.07 | 10 | 34.67 | 18.89 | 5.97 | 10 | 25.37 | 7.44 | 2.35 | 3 | 31.28 | 5.14 | 2.96 |
| | 5 | 10 | 18.31 | 4.11 | 1.30 | 10 | 17.37 | 4.83 | 1.53 | 10 | 19.33 | 4.41 | 1.39 | 3 | 18.34 | 0.98 | 0.57 |
| | 6 | 10 | 8.65 | 4.82 | 1.52 | 10 | 9.93 | 4.21 | 1.33 | 10 | 8.99 | 2.93 | 0.93 | 3 | 9.19 | 0.66 | 0.38 |
| | 7 | 10 | 11.56 | 5.59 | 1.77 | 10 | 14.30 | 2.23 | 0.70 | 10 | 14.26 | 2.66 | 0.84 | 3 | 13.37 | 1.57 | 0.91 |
| | 8 | 10 | 0.07 | 0.15 | 0.05 | 10 | 0.09 | 0.12 | 0.04 | 10 | 0.11 | 0.16 | 0.05 | 3 | 0.09 | 0.02 | 0.01 |
| | 9 | 10 | 158.36 | 55.20 | 17.45 | 10 | 149.95 | 63.34 | 20.03 | 10 | 130.19 | 28.36 | 8.97 | 3 | 146.17 | 14.46 | 8.35 |
| 90-Minute | 1 | 10 | 20.72 | 16.83 | 5.32 | 10 | 23.21 | 12.80 | 4.05 | 10 | 33.00 | 20.25 | 6.40 | 3 | 25.64 | 6.49 | 3.75 |
| | 2 | 10 | 21.88 | 15.51 | 4.91 | 10 | 17.93 | 12.23 | 3.87 | 10 | 25.32 | 19.47 | 6.16 | 3 | 21.71 | 3.70 | 2.14 |
| | 3 | 10 | 22.93 | 26.78 | 8.47 | 10 | 23.98 | 15.03 | 4.75 | 10 | 21.54 | 11.11 | 3.51 | 3 | 22.82 | 1.22 | 0.71 |
| | 4 | 10 | 33.77 | 22.64 | 7.16 | 10 | 38.05 | 13.51 | 4.27 | 10 | 30.11 | 21.51 | 6.80 | 3 | 33.98 | 3.97 | 2.29 |
| | 5 | 10 | 24.47 | 11.59 | 3.66 | 10 | 20.83 | 5.21 | 1.65 | 10 | 17.41 | 3.87 | 1.22 | 3 | 20.90 | 3.53 | 2.04 |
| | 6 | 10 | 13.97 | 4.51 | 1.43 | 10 | 12.21 | 2.47 | 0.78 | 10 | 8.39 | 3.96 | 1.25 | 3 | 11.52 | 2.85 | 1.65 |
| | 7 | 10 | 20.08 | 7.61 | 2.41 | 10 | 20.81 | 6.78 | 2.14 | 10 | 16.69 | 5.41 | 1.71 | 3 | 19.19 | 2.20 | 1.27 |
| | 8 | 10 | 0.24 | 0.28 | 0.09 | 10 | 0.16 | 0.17 | 0.05 | 10 | 0.10 | 0.17 | 0.05 | 3 | 0.17 | 0.07 | 0.04 |
| | 9 | 10 | 123.76 | 77.40 | 24.48 | 10 | 124.00 | 44.69 | 14.13 | 10 | 127.48 | 58.40 | 18.47 | 3 | 125.08 | 2.08 | 1.20 |
| 300-Minute | 1 | 10 | 18.88 | 8.68 | 2.74 | 10 | 17.73 | 10.08 | 3.19 | 10 | 22.76 | 15.53 | 4.91 | 3 | 19.79 | 2.63 | 1.52 |
| | 2 | 10 | 21.98 | 10.32 | 3.26 | 10 | 12.26 | 5.82 | 1.84 | 10 | 17.30 | 10.76 | 3.40 | 3 | 17.18 | 4.86 | 2.81 |
| | 3 | 10 | 19.75 | 14.75 | 4.67 | 10 | 14.43 | 5.36 | 1.70 | 10 | 18.07 | 5.94 | 1.88 | 3 | 17.42 | 2.72 | 1.57 |
| | 4 | 10 | 34.41 | 20.95 | 6.63 | 10 | 25.01 | 15.92 | 5.03 | 10 | 29.77 | 13.61 | 4.30 | 3 | 29.73 | 4.70 | 2.72 |
| | 5 | 10 | 20.13 | 7.04 | 2.23 | 10 | 22.39 | 7.80 | 2.47 | 10 | 15.53 | 5.24 | 1.66 | 3 | 19.35 | 3.49 | 2.02 |
| | 6 | 10 | 11.08 | 4.99 | 1.58 | 10 | 11.96 | 4.53 | 1.43 | 10 | 4.68 | 0.93 | 0.29 | 3 | 9.24 | 3.97 | 2.29 |
| | 7 | 10 | 18.72 | 5.42 | 1.71 | 10 | 23.72 | 8.71 | 2.76 | 10 | 11.57 | 3.20 | 1.01 | 3 | 18.00 | 6.11 | 3.52 |
| | 8 | 10 | 0.15 | 0.16 | 0.05 | 10 | 0.28 | 0.24 | 0.07 | 10 | 0.11 | 0.13 | 0.04 | 3 | 0.18 | 0.09 | 0.05 |
| | 9 | 10 | 115.15 | 31.33 | 9.91 | 10 | 91.83 | 38.92 | 12.31 | 10 | 103.44 | 22.67 | 7.17 | 3 | 103.47 | 11.66 | 6.73 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D345 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 2 (Continued)

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. |
|---------------|---------------|--------------|--------|-------|---------------|--------|-------|---------------|--------|-------|------------|------|------|
| | | N | Mean | Std. | N | Mean | Std. | N | Mean | Std. | Mean | Std. | |
| 600-Minute | 1 | 10 | 31.90 | 21.77 | 10 | 21.77 | 10.90 | 10 | 30.12 | 17.78 | 27.93 | 5.41 | 3.12 |
| | 2 | 10 | 31.58 | 18.15 | 10 | 19.18 | 13.74 | 10 | 29.41 | 16.62 | 26.72 | 6.62 | 3.82 |
| | 3 | 10 | 28.50 | 18.59 | 10 | 22.08 | 12.45 | 10 | 23.94 | 14.99 | 24.84 | 3.30 | 1.91 |
| | 4 | 10 | 35.08 | 15.05 | 10 | 45.33 | 36.04 | 10 | 32.05 | 9.69 | 37.49 | 6.96 | 4.02 |
| | 5 | 10 | 16.80 | 5.10 | 10 | 27.00 | 15.60 | 10 | 20.90 | 5.58 | 21.57 | 5.14 | 2.97 |
| | 6 | 10 | 5.89 | 3.36 | 10 | 12.89 | 7.29 | 10 | 11.94 | 3.58 | 10.24 | 3.80 | 2.19 |
| | 7 | 10 | 13.68 | 3.00 | 10 | 23.60 | 8.85 | 10 | 24.29 | 4.46 | 20.52 | 5.93 | 3.43 |
| | 8 | 10 | 0.06 | 0.10 | 10 | 0.21 | 0.16 | 10 | 0.16 | 0.12 | 0.14 | 0.08 | 0.04 |
| | 9 | 10 | 143.86 | 67.10 | 10 | 135.37 | 54.87 | 10 | 136.41 | 49.09 | 138.55 | 4.63 | 2.67 |

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|--------|--------|---------------|----|--------|---------------|-------|----|------------|--------|-------|---|--------|--------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 39.35 | 16.02 | 5.07 | 10 | 49.22 | 36.19 | 11.45 | 10 | 51.94 | 15.31 | 4.84 | 3 | 46.84 | 6.63 | 3.83 |
| | 2 | 10 | 22.26 | 9.92 | 3.14 | 10 | 29.54 | 15.65 | 4.95 | 10 | 29.94 | 9.65 | 3.05 | 3 | 27.24 | 4.32 | 2.50 |
| | 3 | 10 | 18.42 | 8.20 | 2.59 | 10 | 20.78 | 5.47 | 1.73 | 10 | 28.43 | 14.61 | 4.62 | 3 | 22.54 | 5.23 | 3.02 |
| | 4 | 10 | 30.60 | 24.78 | 7.84 | 10 | 45.22 | 24.59 | 7.78 | 10 | 37.71 | 21.10 | 6.67 | 3 | 37.85 | 7.31 | 4.22 |
| | 5 | 10 | 22.12 | 24.24 | 7.66 | 10 | 30.66 | 25.08 | 7.93 | 10 | 15.05 | 3.16 | 1.00 | 3 | 22.61 | 7.82 | 4.51 |
| | 6 | 10 | 10.41 | 11.45 | 3.62 | 10 | 15.97 | 12.01 | 3.80 | 10 | 9.70 | 4.68 | 1.48 | 3 | 12.02 | 3.43 | 1.98 |
| | 7 | 10 | 43.44 | 96.47 | 30.51 | 10 | 52.02 | 64.29 | 20.33 | 10 | 12.36 | 6.17 | 1.95 | 3 | 35.94 | 20.87 | 12.05 |
| | 8 | 10 | 0.70 | 2.01 | 0.63 | 10 | 0.65 | 0.89 | 0.28 | 10 | 0.05 | 0.12 | 0.04 | 3 | 0.47 | 0.36 | 0.21 |
| | 9 | 10 | 132.75 | 66.76 | 21.11 | 10 | 175.42 | 55.49 | 17.55 | 10 | 163.07 | 48.98 | 15.49 | 3 | 157.08 | 21.96 | 12.68 |
| 30-Minute | 1 | 10 | 51.65 | 32.92 | 10.41 | 10 | 66.08 | 32.65 | 10.32 | 10 | 46.63 | 22.33 | 7.06 | 3 | 54.79 | 10.10 | 5.83 |
| | 2 | 10 | 28.90 | 16.81 | 5.32 | 10 | 28.95 | 21.26 | 6.72 | 10 | 21.68 | 6.37 | 2.01 | 3 | 26.51 | 4.19 | 2.42 |
| | 3 | 10 | 28.13 | 17.73 | 5.61 | 10 | 22.79 | 12.58 | 3.98 | 10 | 17.61 | 6.51 | 2.06 | 3 | 22.84 | 5.26 | 3.04 |
| | 4 | 10 | 48.84 | 29.30 | 9.27 | 10 | 35.80 | 25.11 | 7.94 | 10 | 24.79 | 9.33 | 2.95 | 3 | 36.47 | 12.04 | 6.95 |
| | 5 | 10 | 27.23 | 24.64 | 7.79 | 10 | 16.72 | 12.18 | 3.85 | 10 | 15.43 | 4.83 | 1.53 | 3 | 19.80 | 6.47 | 3.74 |
| | 6 | 10 | 13.47 | 13.90 | 4.40 | 10 | 11.52 | 11.00 | 3.48 | 10 | 6.35 | 2.85 | 0.90 | 3 | 10.45 | 3.68 | 2.12 |
| | 7 | 10 | 37.99 | 54.58 | 17.26 | 10 | 29.95 | 33.45 | 10.58 | 10 | 11.73 | 7.70 | 2.43 | 3 | 26.56 | 13.46 | 7.77 |
| | 8 | 10 | 0.39 | 0.57 | 0.18 | 10 | 0.21 | 0.38 | 0.12 | 10 | 0.04 | 0.05 | 0.02 | 3 | 0.21 | 0.18 | 0.10 |
| | 9 | 10 | 184.75 | 72.74 | 23.00 | 10 | 170.35 | 63.60 | 20.11 | 10 | 126.13 | 23.59 | 7.46 | 3 | 160.41 | 30.54 | 17.63 |
| 90-Minute | 1 | 10 | 36.44 | 29.46 | 9.32 | 10 | 28.07 | 21.89 | 6.92 | 10 | 36.59 | 23.50 | 7.43 | 3 | 33.70 | 4.87 | 2.81 |
| | 2 | 10 | 26.51 | 16.83 | 5.32 | 10 | 26.26 | 10.04 | 3.18 | 10 | 32.27 | 15.51 | 4.91 | 3 | 28.35 | 3.40 | 1.96 |
| | 3 | 10 | 24.25 | 12.95 | 4.10 | 10 | 44.25 | 11.48 | 3.63 | 10 | 32.21 | 14.24 | 4.50 | 3 | 33.57 | 10.07 | 5.81 |
| | 4 | 10 | 35.73 | 25.03 | 7.91 | 10 | 86.20 | 35.78 | 11.31 | 10 | 54.23 | 29.23 | 9.24 | 3 | 58.72 | 25.53 | 14.74 |
| | 5 | 10 | 52.93 | 70.41 | 22.27 | 10 | 123.92 | 78.91 | 24.95 | 10 | 43.15 | 32.30 | 10.21 | 3 | 73.33 | 44.08 | 25.45 |
| | 6 | 10 | 44.94 | 76.26 | 24.11 | 10 | 73.88 | 34.29 | 10.84 | 10 | 28.20 | 31.37 | 9.92 | 3 | 49.00 | 23.11 | 13.34 |
| | 7 | 10 | 136.95 | 247.50 | 78.27 | 10 | 309.04 | 127.83 | 40.42 | 10 | 116.05 | 134.72 | 42.60 | 3 | 187.35 | 105.91 | 61.15 |
| | 8 | 10 | 0.97 | 1.79 | 0.57 | 10 | 5.02 | 3.15 | 1.00 | 10 | | | | | | | |

PARAMETER = Total Power
CHANNEL = 1 (Continued)

| Blood Draw | Freq-Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|-----------|--------------|--------|--------|---------------|----|--------|---------------|-------|----|------------|--------|-------|---|--------|--------|--------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| 600-Minute | 1 | 10 | 43.91 | 19.71 | 6.23 | 10 | 41.54 | 14.83 | 4.69 | 10 | 38.44 | 20.28 | 6.41 | 3 | 41.30 | 2.74 | 1.58 |
| | 2 | 10 | 39.10 | 18.15 | 5.74 | 10 | 44.44 | 16.07 | 5.08 | 10 | 45.17 | 28.62 | 9.05 | 3 | 42.90 | 3.31 | 1.91 |
| | 3 | 10 | 35.03 | 19.27 | 6.09 | 10 | 59.30 | 25.69 | 8.12 | 10 | 47.57 | 23.90 | 7.56 | 3 | 47.30 | 12.14 | 7.01 |
| | 4 | 10 | 52.37 | 33.80 | 10.69 | 10 | 156.58 | 82.80 | 26.19 | 10 | 73.15 | 39.91 | 12.62 | 3 | 94.03 | 55.15 | 31.84 |
| | 5 | 10 | 32.80 | 30.90 | 9.77 | 10 | 156.14 | 86.36 | 27.31 | 10 | 68.10 | 40.09 | 12.68 | 3 | 85.68 | 63.52 | 36.67 |
| | 6 | 10 | 18.52 | 16.19 | 5.12 | 10 | 95.07 | 39.86 | 12.60 | 10 | 45.44 | 31.72 | 10.03 | 3 | 53.01 | 38.84 | 22.42 |
| | 7 | 10 | 75.74 | 102.03 | 32.27 | 10 | 483.60 | 201.15 | 63.61 | 10 | 167.54 | 139.04 | 43.97 | 3 | 242.29 | 213.96 | 123.53 |
| | 8 | 10 | 1.21 | 1.91 | 0.60 | 10 | 7.22 | 3.85 | 1.22 | 10 | 1.53 | 1.35 | 0.43 | 3 | 3.32 | 3.38 | 1.95 |
| | 9 | 10 | 203.21 | 64.05 | 20.25 | 10 | 458.00 | 139.92 | 44.25 | 10 | 272.43 | 121.43 | 38.40 | 3 | 311.21 | 131.75 | 76.07 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D345 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
CHANNEL = 3

| Blood Draw | Freq. Band | N | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. |
|------------|------------|----|--------------|------|------|---------------|-------|------|---------------|------|------|------------|------|------|
| | | | Mean | Std. | S.E. | Mean | Std. | S.E. | Mean | Std. | S.E. | Mean | Std. | |
| Baseline | 1 | 10 | 2.55 | 0.76 | 0.24 | 2.20 | 0.59 | 0.19 | 2.61 | 0.70 | 0.23 | 2.45 | 0.22 | 0.13 |
| | 2 | 7 | 6.07 | 1.21 | 0.46 | 5.50 | 0.89 | 0.31 | 5.78 | 1.03 | 0.34 | 5.78 | 0.29 | 0.16 |
| | 3 | 10 | 9.90 | 1.35 | 0.43 | 9.95 | 1.14 | 0.36 | 11.33 | 1.12 | 0.37 | 10.39 | 0.81 | 0.47 |
| | 4 | 10 | 15.40 | 0.94 | 0.30 | 10 | 15.15 | 1.31 | 14.85 | 0.97 | 0.31 | 15.13 | 0.28 | 0.16 |
| | 5 | 10 | 21.03 | 1.60 | 0.51 | 10 | 21.35 | 2.26 | 21.25 | 1.74 | 0.55 | 21.21 | 0.17 | 0.10 |
| | 9 | 10 | 4.35 | 4.19 | 1.33 | 10 | 12.50 | 9.37 | 14.70 | 6.10 | 1.93 | 10.52 | 5.45 | 3.15 |
| 30-Minute | 1 | 10 | 2.60 | 0.81 | 0.26 | 2.30 | 0.54 | 0.17 | 2.55 | 0.76 | 0.24 | 2.48 | 0.16 | 0.09 |
| | 2 | 9 | 5.94 | 0.81 | 0.27 | 6.00 | 0.97 | 0.32 | 6.00 | 0.71 | 0.22 | 5.98 | 0.03 | 0.02 |
| | 3 | 10 | 10.45 | 1.28 | 0.40 | 10 | 10.70 | 1.51 | 11.15 | 1.18 | 0.37 | 10.77 | 0.35 | 0.20 |
| | 4 | 10 | 14.55 | 1.38 | 0.44 | 10 | 14.80 | 1.14 | 15.60 | 1.33 | 0.42 | 14.98 | 0.55 | 0.32 |
| | 5 | 10 | 22.00 | 1.89 | 0.60 | 10 | 22.10 | 1.78 | 20.85 | 1.67 | 0.53 | 21.65 | 0.69 | 0.40 |
| | 9 | 10 | 10.40 | 6.50 | 2.06 | 10 | 11.05 | 9.45 | 20.85 | 1.67 | 0.53 | 21.65 | 0.69 | 0.40 |
| 90-Minute | 1 | 10 | 2.30 | 0.59 | 0.19 | 2.28 | 0.62 | 0.21 | 2.72 | 0.67 | 0.22 | 2.43 | 0.25 | 0.14 |
| | 2 | 10 | 6.15 | 1.06 | 0.33 | 5.60 | 0.88 | 0.28 | 5.40 | 1.05 | 0.33 | 5.72 | 0.39 | 0.22 |
| | 3 | 10 | 10.80 | 1.27 | 0.40 | 10 | 10.90 | 1.20 | 11.45 | 1.07 | 0.34 | 11.05 | 0.35 | 0.20 |
| | 4 | 10 | 16.35 | 1.11 | 0.35 | 10 | 14.95 | 0.98 | 15.20 | 1.16 | 0.37 | 15.50 | 0.75 | 0.43 |
| | 5 | 10 | 21.45 | 2.05 | 0.65 | 10 | 21.90 | 1.87 | 21.15 | 1.33 | 0.42 | 21.50 | 0.38 | 0.22 |
| | 9 | 10 | 16.75 | 7.68 | 2.43 | 10 | 18.35 | 6.73 | 16.75 | 6.18 | 1.95 | 17.28 | 0.92 | 0.53 |
| 300-Minute | 1 | 10 | 2.50 | 0.75 | 0.24 | 2.65 | 0.85 | 0.27 | 2.50 | 0.83 | 0.28 | 2.55 | 0.09 | 0.05 |
| | 2 | 10 | 6.15 | 0.94 | 0.30 | 5.70 | 0.67 | 0.21 | 5.35 | 0.82 | 0.26 | 5.73 | 0.40 | 0.23 |
| | 3 | 10 | 10.75 | 1.27 | 0.40 | 10 | 11.15 | 1.18 | 11.15 | 1.42 | 0.45 | 11.02 | 0.23 | 0.13 |
| | 4 | 10 | 15.80 | 0.95 | 0.30 | 10 | 15.70 | 1.25 | 15.85 | 1.23 | 0.39 | 15.78 | 0.08 | 0.04 |
| | 5 | 10 | 22.80 | 1.62 | 0.51 | 10 | 22.10 | 2.14 | 22.50 | 1.89 | 0.60 | 22.47 | 0.35 | 0.20 |
| | 9 | 10 | 14.35 | 8.21 | 2.60 | 10 | 21.30 | 4.06 | 11.10 | 9.22 | 2.92 | 15.58 | 5.21 | 3.01 |
| 600-Minute | 1 | 10 | 2.80 | 0.71 | 0.23 | 2.44 | 0.73 | 0.26 | 2.61 | 0.78 | 0.26 | 2.62 | 0.18 | 0.10 |
| | 2 | 9 | 6.00 | 0.97 | 0.32 | 6.20 | 0.86 | 0.27 | 5.56 | 1.04 | 0.35 | 5.92 | 0.33 | 0.19 |
| | 3 | 10 | 11.00 | 1.27 | 0.40 | 10 | 10.95 | 1.42 | 10.95 | 1.07 | 0.34 | 10.97 | 0.03 | 0.02 |
| | 4 | 10 | 15.65 | 1.47 | 0.47 | 10 | 15.40 | 1.39 | 14.95 | 0.69 | 0.22 | 15.33 | 0.35 | 0.20 |
| | 5 | 10 | 20.40 | 2.02 | 0.64 | 10 | 20.90 | 1.61 | 22.50 | 1.31 | 0.41 | 21.27 | 1.10 | 0.63 |
| | 9 | 10 | 15.55 | 5.26 | 1.66 | 10 | 18.20 | 2.98 | 12.15 | 8.99 | 2.84 | 15.30 | 3.03 | 1.75 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D345 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 2.85 | 0.63 | 0.20 | 9 | 2.53 | 0.96 | 0.32 | 9 | 2.28 | 0.75 | 0.25 | 3 | 2.55 | 0.29 | 0.17 |
| | 2 | 9 | 6.39 | 0.99 | 0.33 | 8 | 5.56 | 0.82 | 0.29 | 9 | 5.89 | 0.96 | 0.32 | 3 | 5.95 | 0.42 | 0.24 |
| | 3 | 10 | 10.90 | 1.24 | 0.39 | 8 | 10.31 | 1.19 | 0.42 | 10 | 11.15 | 1.20 | 0.38 | 3 | 10.79 | 0.43 | 0.25 |
| | 4 | 10 | 15.40 | 1.26 | 0.40 | 10 | 15.10 | 1.17 | 0.37 | 10 | 14.85 | 0.75 | 0.24 | 3 | 15.12 | 0.28 | 0.16 |
| | 5 | 10 | 21.00 | 1.41 | 0.45 | 10 | 20.50 | 1.37 | 0.43 | 10 | 21.15 | 1.76 | 0.56 | 3 | 20.88 | 0.34 | 0.20 |
| | 9 | 10 | 11.35 | 9.40 | 2.97 | 10 | 15.45 | 7.77 | 2.46 | 10 | 14.15 | 6.21 | 1.97 | 3 | 13.65 | 2.10 | 1.21 |
| 30-Minute | 1 | 10 | 2.25 | 0.79 | 0.25 | 10 | 2.50 | 0.85 | 0.27 | 10 | 2.65 | 0.67 | 0.21 | 3 | 2.47 | 0.20 | 0.12 |
| | 2 | 9 | 6.11 | 0.89 | 0.30 | 10 | 6.00 | 1.20 | 0.38 | 10 | 6.00 | 0.94 | 0.30 | 3 | 6.04 | 0.06 | 0.04 |
| | 3 | 10 | 10.65 | 1.45 | 0.46 | 10 | 10.65 | 1.43 | 0.45 | 10 | 9.45 | 1.19 | 0.38 | 3 | 10.25 | 0.69 | 0.40 |
| | 4 | 10 | 14.85 | 1.38 | 0.43 | 10 | 15.05 | 0.72 | 0.23 | 10 | 15.15 | 1.40 | 0.44 | 3 | 15.02 | 0.15 | 0.09 |
| | 5 | 10 | 21.10 | 1.54 | 0.49 | 10 | 20.80 | 1.70 | 0.54 | 10 | 20.50 | 1.05 | 0.33 | 3 | 20.80 | 0.30 | 0.17 |
| | 9 | 10 | 7.15 | 5.66 | 1.79 | 10 | 7.75 | 8.04 | 2.54 | 10 | 6.85 | 6.43 | 2.03 | 3 | 7.25 | 0.46 | 0.26 |
| 90-Minute | 1 | 10 | 2.20 | 0.67 | 0.21 | 10 | 2.40 | 0.74 | 0.23 | 10 | 2.15 | 0.63 | 0.20 | 3 | 2.25 | 0.13 | 0.08 |
| | 2 | 10 | 5.00 | 0.75 | 0.24 | 10 | 5.95 | 0.98 | 0.31 | 9 | 5.00 | 0.50 | 0.17 | 3 | 5.32 | 0.55 | 0.32 |
| | 3 | 10 | 10.65 | 0.91 | 0.29 | 9 | 10.83 | 1.20 | 0.40 | 10 | 10.65 | 1.53 | 0.48 | 3 | 10.71 | 0.11 | 0.06 |
| | 4 | 10 | 16.20 | 1.18 | 0.37 | 10 | 14.70 | 0.86 | 0.27 | 10 | 14.70 | 1.11 | 0.35 | 3 | 15.20 | 0.87 | 0.50 |
| | 5 | 10 | 20.60 | 1.60 | 0.50 | 10 | 21.10 | 1.97 | 0.62 | 10 | 21.10 | 1.81 | 0.57 | 3 | 20.93 | 0.29 | 0.17 |
| | 9 | 10 | 6.65 | 7.66 | 2.42 | 10 | 10.25 | 7.84 | 2.48 | 10 | 14.55 | 7.46 | 2.36 | 3 | 10.48 | 3.96 | 2.28 |
| 300-Minute | 1 | 9 | 2.56 | 0.58 | 0.19 | 10 | 2.35 | 0.94 | 0.30 | 9 | 2.72 | 0.57 | 0.19 | 3 | 2.54 | 0.19 | 0.11 |
| | 2 | 9 | 6.17 | 0.87 | 0.29 | 9 | 5.72 | 0.62 | 0.21 | 10 | 5.90 | 0.97 | 0.31 | 3 | 5.93 | 0.22 | 0.13 |
| | 3 | 10 | 10.40 | 1.24 | 0.39 | 10 | 10.20 | 1.53 | 0.48 | 10 | 11.15 | 1.18 | 0.37 | 3 | 10.58 | 0.50 | 0.29 |
| | 4 | 10 | 16.15 | 1.06 | 0.33 | 10 | 16.25 | 0.98 | 0.31 | 10 | 16.30 | 0.67 | 0.21 | 3 | 16.23 | 0.08 | 0.04 |
| | 5 | 10 | 20.95 | 1.89 | 0.60 | 10 | 21.20 | 1.75 | 0.55 | 10 | 20.55 | 1.77 | 0.56 | 3 | 20.90 | 0.33 | 0.19 |
| | 9 | 10 | 9.60 | 6.83 | 2.16 | 10 | 11.55 | 9.69 | 3.07 | 10 | 10.95 | 7.24 | 2.29 | 3 | 10.70 | 1.00 | 0.58 |
| 600-Minute | 1 | 10 | 2.65 | 0.78 | 0.25 | 8 | 1.94 | 0.56 | 0.20 | 9 | 2.50 | 0.66 | 0.22 | 3 | 2.36 | 0.38 | 0.22 |
| | 2 | 9 | 5.89 | 0.89 | 0.30 | 9 | 6.33 | 0.90 | 0.30 | 8 | 5.31 | 0.88 | 0.31 | 3 | 5.84 | 0.51 | 0.30 |
| | 3 | 10 | 11.20 | 1.03 | 0.33 | 10 | 11.15 | 1.18 | 0.37 | 10 | 11.00 | 1.00 | 0.32 | 3 | 11.12 | 0.10 | 0.06 |
| | 4 | 10 | 15.20 | 1.27 | 0.40 | 10 | 15.55 | 1.12 | 0.35 | 10 | 15.65 | 1.25 | 0.39 | 3 | 15.47 | 0.24 | 0.14 |
| | 5 | 10 | 19.90 | 1.60 | 0.50 | 10 | 21.05 | 1.96 | 0.62 | 10 | 20.65 | 1.94 | 0.61 | 3 | 20.53 | 0.58 | 0.34 |
| | 9 | 10 | 10.40 | 6.85 | 2.17 | 10 | 15.35 | 5.54 | 1.75 | 10 | 7.10 | 5.01 | 1.58 | 3 | 10.95 | 4.15 | 2.40 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D345 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. |
|------------|------------|--------------|-------|------|---------------|-------|------|---------------|------|-------|------------|------|------|
| | | N | Mean | Std. | N | Mean | Std. | N | Mean | Std. | Mean | Std. | |
| Baseline | 1 | 8 | 2.37 | 0.52 | 6 | 1.92 | 0.38 | 0.15 | 10 | 1.80 | 0.54 | 0.17 | 0.18 |
| | 2 | 9 | 6.39 | 0.93 | 9 | 5.83 | 1.06 | 0.35 | 9 | 6.17 | 1.30 | 0.43 | 0.16 |
| | 3 | 10 | 10.40 | 1.45 | 9 | 10.50 | 1.12 | 0.37 | 8 | 11.00 | 1.04 | 0.37 | 0.19 |
| | 4 | 10 | 15.30 | 0.82 | 10 | 14.95 | 1.55 | 0.49 | 10 | 14.65 | 0.94 | 0.30 | 0.19 |
| | 5 | 10 | 21.80 | 1.69 | 10 | 20.90 | 1.91 | 0.60 | 10 | 20.65 | 1.84 | 0.58 | 0.35 |
| 30-Minute | 9 | 10 | 6.55 | 6.13 | 10 | 7.05 | 5.79 | 1.83 | 10 | 2.35 | 1.13 | 0.36 | 1.49 |
| | 1 | 8 | 2.00 | 0.60 | 9 | 1.94 | 0.63 | 0.21 | 9 | 2.06 | 0.77 | 0.26 | 0.03 |
| | 2 | 10 | 5.45 | 0.72 | 9 | 6.39 | 0.78 | 0.26 | 10 | 5.90 | 1.33 | 0.42 | 0.27 |
| | 3 | 9 | 11.28 | 0.51 | 9 | 10.17 | 1.41 | 0.47 | 10 | 9.95 | 1.36 | 0.43 | 0.41 |
| | 4 | 10 | 14.55 | 0.86 | 10 | 15.25 | 1.27 | 0.40 | 9 | 14.67 | 0.94 | 0.31 | 0.22 |
| 90-Minute | 5 | 10 | 21.25 | 2.02 | 10 | 21.40 | 1.58 | 0.50 | 10 | 20.45 | 1.77 | 0.56 | 0.29 |
| | 9 | 10 | 7.65 | 5.49 | 10 | 4.15 | 4.61 | 1.46 | 10 | 4.65 | 5.66 | 1.79 | 1.09 |
| | 1 | 8 | 2.19 | 0.65 | 8 | 3.06 | 0.56 | 0.20 | 9 | 2.44 | 0.68 | 0.23 | 0.26 |
| | 2 | 9 | 5.72 | 0.87 | 10 | 6.20 | 1.18 | 0.37 | 8 | 5.94 | 0.90 | 0.32 | 0.14 |
| | 3 | 10 | 9.95 | 1.54 | 10 | 10.70 | 1.32 | 0.42 | 10 | 11.20 | 1.34 | 0.42 | 0.36 |
| 300-Minute | 4 | 10 | 15.10 | 1.29 | 10 | 15.75 | 1.25 | 0.40 | 10 | 15.15 | 1.43 | 0.45 | 0.21 |
| | 5 | 10 | 21.65 | 1.84 | 10 | 22.15 | 1.55 | 0.49 | 10 | 21.00 | 2.29 | 0.72 | 0.33 |
| | 9 | 10 | 9.00 | 7.96 | 10 | 18.20 | 5.80 | 1.83 | 10 | 10.20 | 7.09 | 2.24 | 2.89 |
| | 1 | 10 | 2.25 | 0.68 | 10 | 2.45 | 0.64 | 0.20 | 6 | 2.75 | 0.88 | 0.36 | 0.15 |
| | 2 | 10 | 5.85 | 0.91 | 10 | 5.40 | 0.97 | 0.31 | 10 | 5.85 | 1.08 | 0.34 | 0.15 |
| 600-Minute | 3 | 9 | 10.61 | 1.02 | 10 | 11.50 | 1.05 | 0.33 | 10 | 10.55 | 1.42 | 0.45 | 0.31 |
| | 4 | 10 | 15.70 | 1.38 | 9 | 15.94 | 1.38 | 0.46 | 10 | 15.20 | 1.36 | 0.43 | 0.22 |
| | 5 | 10 | 20.75 | 1.75 | 10 | 22.15 | 1.72 | 0.54 | 10 | 21.35 | 1.81 | 0.57 | 0.41 |
| | 9 | 10 | 12.10 | 6.78 | 10 | 20.25 | 4.07 | 1.29 | 10 | 12.40 | 7.11 | 2.25 | 2.67 |
| | 1 | 10 | 2.10 | 0.61 | 8 | 2.31 | 0.80 | 0.28 | 10 | 2.75 | 0.59 | 0.19 | 0.19 |
| | 2 | 10 | 5.70 | 1.03 | 10 | 6.05 | 0.86 | 0.27 | 10 | 5.75 | 1.16 | 0.37 | 0.11 |
| | 3 | 10 | 11.10 | 1.26 | 10 | 10.60 | 1.20 | 0.38 | 10 | 10.30 | 1.25 | 0.40 | 0.23 |
| | 4 | 9 | 15.39 | 1.45 | 10 | 15.70 | 1.51 | 0.48 | 10 | 15.30 | 0.95 | 0.30 | 0.12 |
| | 5 | 10 | 21.50 | 1.80 | 10 | 21.45 | 1.72 | 0.54 | 10 | 20.85 | 1.60 | 0.51 | 0.21 |
| | 9 | 10 | 8.10 | 6.90 | 10 | 17.45 | 2.48 | 0.78 | 10 | 11.60 | 6.12 | 1.94 | 2.73 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D345 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | | | | |
| Baseline | 1 | 9 | 2.39 | 0.60 | 0.20 | 9 | 2.06 | 0.68 | 0.23 | 10 | 2.30 | 0.67 | 0.21 | 3 | 2.25 | 0.17 | 0.10 |
| | 2 | 10 | 5.85 | 0.88 | 0.28 | 10 | 6.05 | 1.01 | 0.32 | 10 | 6.65 | 0.97 | 0.31 | 3 | 6.18 | 0.42 | 0.24 |
| | 3 | 10 | 10.40 | 1.26 | 0.40 | 10 | 11.45 | 1.07 | 0.34 | 10 | 11.60 | 0.94 | 0.30 | 3 | 11.15 | 0.65 | 0.38 |
| | 4 | 10 | 15.05 | 1.19 | 0.38 | 10 | 14.75 | 1.32 | 0.42 | 10 | 14.50 | 1.00 | 0.32 | 3 | 14.77 | 0.28 | 0.16 |
| | 5 | 10 | 22.05 | 2.10 | 0.66 | 10 | 22.55 | 1.32 | 0.42 | 10 | 21.60 | 2.22 | 0.70 | 3 | 22.07 | 0.48 | 0.27 |
| | 9 | 10 | 5.55 | 6.17 | 1.95 | 10 | 8.75 | 7.53 | 2.38 | 10 | 7.25 | 7.13 | 2.26 | 3 | 7.18 | 1.60 | 0.92 |
| 30-Minute | 1 | 8 | 2.44 | 0.82 | 0.29 | 10 | 2.25 | 0.72 | 0.23 | 9 | 2.56 | 0.81 | 0.27 | 3 | 2.41 | 0.15 | 0.09 |
| | 2 | 7 | 5.64 | 0.99 | 0.37 | 9 | 6.22 | 1.00 | 0.33 | 9 | 6.00 | 1.22 | 0.41 | 3 | 5.96 | 0.29 | 0.17 |
| | 3 | 10 | 11.25 | 0.68 | 0.21 | 8 | 11.00 | 1.28 | 0.45 | 10 | 10.70 | 1.30 | 0.41 | 3 | 10.98 | 0.28 | 0.16 |
| | 4 | 10 | 14.45 | 0.98 | 0.31 | 10 | 14.50 | 1.20 | 0.38 | 10 | 14.80 | 0.86 | 0.27 | 3 | 14.58 | 0.19 | 0.11 |
| | 5 | 10 | 20.80 | 1.80 | 0.57 | 10 | 21.50 | 1.81 | 0.57 | 10 | 19.95 | 1.55 | 0.49 | 3 | 20.75 | 0.78 | 0.45 |
| | 9 | 10 | 5.10 | 4.40 | 1.39 | 10 | 5.50 | 5.34 | 1.69 | 10 | 4.35 | 3.61 | 1.14 | 3 | 4.98 | 0.58 | 0.34 |
| 90-Minute | 1 | 10 | 1.90 | 0.46 | 0.15 | 10 | 2.45 | 0.69 | 0.22 | 9 | 2.39 | 0.49 | 0.16 | 3 | 2.25 | 0.30 | 0.17 |
| | 2 | 10 | 5.20 | 0.71 | 0.23 | 8 | 5.75 | 1.20 | 0.42 | 10 | 6.10 | 1.02 | 0.32 | 3 | 5.68 | 0.45 | 0.26 |
| | 3 | 10 | 10.85 | 1.36 | 0.43 | 9 | 10.72 | 1.28 | 0.43 | 10 | 11.10 | 1.35 | 0.43 | 3 | 10.89 | 0.19 | 0.11 |
| | 4 | 9 | 15.06 | 1.10 | 0.37 | 10 | 14.65 | 1.18 | 0.37 | 10 | 14.80 | 0.98 | 0.31 | 3 | 14.84 | 0.21 | 0.12 |
| | 5 | 10 | 21.95 | 1.72 | 0.54 | 10 | 22.10 | 2.13 | 0.67 | 10 | 20.65 | 1.11 | 0.35 | 3 | 21.57 | 0.80 | 0.46 |
| | 9 | 10 | 12.70 | 6.21 | 1.96 | 10 | 11.25 | 5.69 | 1.80 | 10 | 8.90 | 6.07 | 1.92 | 3 | 10.95 | 1.92 | 1.11 |
| 300-Minute | 1 | 9 | 2.83 | 0.75 | 0.25 | 9 | 2.67 | 0.56 | 0.19 | 10 | 2.20 | 0.67 | 0.21 | 3 | 2.57 | 0.33 | 0.19 |
| | 2 | 9 | 6.17 | 0.61 | 0.20 | 10 | 5.80 | 1.11 | 0.35 | 9 | 5.72 | 0.79 | 0.26 | 3 | 5.90 | 0.24 | 0.14 |
| | 3 | 10 | 10.75 | 0.89 | 0.28 | 10 | 10.90 | 1.20 | 0.38 | 10 | 10.55 | 1.38 | 0.44 | 3 | 10.73 | 0.18 | 0.10 |
| | 4 | 10 | 15.70 | 1.36 | 0.43 | 10 | 15.75 | 1.48 | 0.47 | 10 | 15.45 | 1.12 | 0.35 | 3 | 15.63 | 0.16 | 0.09 |
| | 5 | 10 | 21.50 | 2.20 | 0.70 | 10 | 20.15 | 1.25 | 0.39 | 10 | 21.25 | 1.65 | 0.52 | 3 | 20.97 | 0.72 | 0.41 |
| | 9 | 10 | 9.70 | 5.86 | 1.85 | 10 | 7.90 | 6.89 | 2.18 | 10 | 10.40 | 6.01 | 1.90 | 3 | 9.33 | 1.29 | 0.74 |
| 600-Minute | 1 | 9 | 2.72 | 0.71 | 0.24 | 8 | 2.31 | 0.37 | 0.13 | 10 | 2.65 | 0.75 | 0.24 | 3 | 2.56 | 0.22 | 0.13 |
| | 2 | 10 | 5.95 | 1.12 | 0.35 | 10 | 6.10 | 1.10 | 0.35 | 10 | 6.00 | 0.82 | 0.26 | 3 | 6.02 | 0.08 | 0.04 |
| | 3 | 10 | 10.90 | 1.52 | 0.48 | 10 | 10.90 | 1.07 | 0.34 | 10 | 10.35 | 1.55 | 0.49 | 3 | 10.72 | 0.32 | 0.18 |
| | 4 | 10 | 15.45 | 1.23 | 0.39 | 10 | 14.90 | 1.26 | 0.40 | 9 | 14.67 | 0.97 | 0.32 | 3 | 15.01 | 0.40 | 0.23 |
| | 5 | 10 | 20.00 | 1.41 | 0.45 | 10 | 20.30 | 1.99 | 0.63 | 10 | 20.95 | 1.23 | 0.39 | 3 | 20.42 | 0.49 | 0.28 |
| | 9 | 10 | 7.35 | 6.34 | 2.01 | 10 | 9.60 | 7.57 | 2.39 | 10 | 7.05 | 5.46 | 1.73 | 3 | 8.00 | 1.39 | 0.80 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D345 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | | | |
| Baseline | 1 | 10 | 2.34 | 0.34 | 0.11 | 10 | 2.29 | 0.20 | 0.06 | 10 | 2.47 | 0.31 | 0.10 | 0.09 | 0.05 | |
| | 2 | 10 | 5.40 | 0.48 | 0.15 | 10 | 5.29 | 0.27 | 0.08 | 10 | 5.51 | 0.46 | 0.15 | 0.11 | 0.06 | |
| | 3 | 10 | 10.24 | 0.36 | 0.11 | 10 | 10.22 | 0.32 | 0.10 | 10 | 10.51 | 0.48 | 0.15 | 0.16 | 0.09 | |
| | 4 | 10 | 15.21 | 0.38 | 0.12 | 10 | 15.21 | 0.41 | 0.13 | 10 | 15.18 | 0.56 | 0.18 | 0.02 | 0.01 | |
| | 5 | 10 | 21.21 | 0.39 | 0.12 | 10 | 21.50 | 0.65 | 0.21 | 10 | 21.19 | 0.47 | 0.15 | 0.17 | 0.10 | |
| | 9 | 10 | 10.58 | 2.16 | 0.68 | 10 | 12.90 | 1.53 | 0.48 | 10 | 13.84 | 1.11 | 0.35 | 1.68 | 0.97 | |
| 30-Minute | 1 | 10 | 2.30 | 0.26 | 0.08 | 10 | 2.24 | 0.24 | 0.08 | 10 | 2.33 | 0.36 | 0.12 | 0.04 | 0.02 | |
| | 2 | 10 | 5.61 | 0.32 | 0.10 | 10 | 5.56 | 0.37 | 0.12 | 10 | 5.53 | 0.40 | 0.13 | 0.04 | 0.02 | |
| | 3 | 10 | 10.45 | 0.52 | 0.16 | 10 | 10.33 | 0.32 | 0.10 | 10 | 10.52 | 0.41 | 0.13 | 0.10 | 0.06 | |
| | 4 | 10 | 14.82 | 0.57 | 0.18 | 10 | 15.20 | 0.41 | 0.13 | 10 | 15.32 | 0.46 | 0.15 | 0.26 | 0.15 | |
| | 5 | 10 | 21.31 | 0.37 | 0.12 | 10 | 21.32 | 0.53 | 0.17 | 10 | 21.32 | 0.44 | 0.14 | 0.01 | 0.00 | |
| | 9 | 10 | 12.08 | 1.43 | 0.45 | 10 | 11.98 | 1.69 | 0.54 | 10 | 12.67 | 1.20 | 0.38 | 12.24 | 0.37 | 0.22 |
| 90-Minute | 1 | 10 | 2.30 | 0.24 | 0.08 | 10 | 2.31 | 0.28 | 0.09 | 10 | 2.45 | 0.25 | 0.08 | 2.35 | 0.09 | 0.05 |
| | 2 | 10 | 5.54 | 0.37 | 0.12 | 10 | 5.56 | 0.32 | 0.10 | 10 | 5.37 | 0.28 | 0.09 | 5.49 | 0.11 | 0.06 |
| | 3 | 10 | 10.29 | 0.43 | 0.14 | 10 | 10.32 | 0.35 | 0.11 | 10 | 10.54 | 0.39 | 0.12 | 10.38 | 0.13 | 0.08 |
| | 4 | 10 | 15.53 | 0.45 | 0.14 | 10 | 15.26 | 0.37 | 0.12 | 10 | 15.22 | 0.41 | 0.13 | 15.34 | 0.17 | 0.10 |
| | 5 | 10 | 21.36 | 0.49 | 0.15 | 10 | 21.36 | 0.40 | 0.13 | 10 | 21.21 | 0.54 | 0.17 | 21.31 | 0.08 | 0.05 |
| | 9 | 10 | 13.94 | 2.04 | 0.64 | 10 | 14.74 | 1.27 | 0.40 | 10 | 13.51 | 1.50 | 0.48 | 14.06 | 0.62 | 0.36 |
| 300-Minute | 1 | 10 | 2.32 | 0.24 | 0.08 | 10 | 2.36 | 0.29 | 0.09 | 10 | 2.40 | 0.30 | 0.10 | 2.36 | 0.04 | 0.02 |
| | 2 | 10 | 5.52 | 0.27 | 0.08 | 10 | 5.58 | 0.30 | 0.09 | 10 | 5.49 | 0.17 | 0.05 | 5.53 | 0.05 | 0.03 |
| | 3 | 10 | 10.37 | 0.51 | 0.16 | 10 | 10.41 | 0.37 | 0.12 | 10 | 10.57 | 0.38 | 0.12 | 10.45 | 0.11 | 0.06 |
| | 4 | 10 | 15.52 | 0.43 | 0.14 | 10 | 15.37 | 0.57 | 0.18 | 10 | 15.19 | 0.41 | 0.13 | 15.36 | 0.17 | 0.10 |
| | 5 | 10 | 21.36 | 0.45 | 0.14 | 10 | 21.34 | 0.55 | 0.17 | 10 | 21.47 | 0.62 | 0.19 | 21.39 | 0.07 | 0.04 |
| | 9 | 10 | 13.55 | 1.38 | 0.44 | 10 | 15.11 | 1.39 | 0.44 | 10 | 12.22 | 1.48 | 0.47 | 13.62 | 1.45 | 0.83 |
| 600-Minute | 1 | 10 | 2.47 | 0.24 | 0.07 | 10 | 2.39 | 0.20 | 0.06 | 10 | 2.45 | 0.32 | 0.10 | 2.44 | 0.04 | 0.03 |
| | 2 | 10 | 5.37 | 0.26 | 0.08 | 10 | 5.67 | 0.43 | 0.14 | 10 | 5.30 | 0.27 | 0.09 | 5.45 | 0.20 | 0.11 |
| | 3 | 10 | 10.62 | 0.43 | 0.14 | 10 | 10.46 | 0.40 | 0.13 | 10 | 10.34 | 0.26 | 0.08 | 10.47 | 0.14 | 0.08 |
| | 4 | 10 | 15.25 | 0.63 | 0.20 | 10 | 15.38 | 0.39 | 0.12 | 10 | 15.02 | 0.47 | 0.15 | 15.21 | 0.18 | 0.10 |
| | 5 | 10 | 20.69 | 0.48 | 0.15 | 10 | 21.24 | 0.43 | 0.14 | 10 | 21.59 | 0.33 | 0.11 | 21.17 | 0.46 | 0.26 |
| | 9 | 10 | 12.56 | 1.45 | 0.46 | 10 | 14.36 | 1.26 | 0.40 | 10 | 12.77 | 1.35 | 0.43 | 13.23 | 0.98 | 0.57 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D345 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
CHANNEL = 4

| Blood Draw | Freq. Band | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | Grand Mean | S.E. |
|------------|------------|----|-------|------|------|----|-------|------|------|----|-------|------|------|------------|------|
| Baseline | 1 | 10 | 2.46 | 0.32 | 0.10 | 10 | 2.42 | 0.21 | 0.07 | 10 | 2.36 | 0.25 | 0.08 | 2.41 | 0.05 |
| | 2 | 10 | 5.42 | 0.34 | 0.11 | 10 | 5.31 | 0.31 | 0.10 | 10 | 5.43 | 0.42 | 0.13 | 5.39 | 0.06 |
| | 3 | 10 | 10.17 | 0.26 | 0.08 | 10 | 10.25 | 0.31 | 0.10 | 10 | 10.57 | 0.45 | 0.14 | 10.33 | 0.12 |
| | 4 | 10 | 15.30 | 0.36 | 0.11 | 10 | 15.31 | 0.46 | 0.15 | 10 | 15.16 | 0.51 | 0.16 | 15.25 | 0.08 |
| | 5 | 10 | 21.26 | 0.52 | 0.17 | 10 | 21.17 | 0.52 | 0.17 | 10 | 20.75 | 0.43 | 0.14 | 21.06 | 0.16 |
| 30-Minute | 9 | 10 | 13.29 | 2.80 | 0.89 | 10 | 13.15 | 1.55 | 0.49 | 10 | 12.99 | 0.90 | 0.29 | 13.14 | 0.08 |
| | 1 | 10 | 2.23 | 0.25 | 0.08 | 10 | 2.24 | 0.29 | 0.09 | 10 | 2.41 | 0.23 | 0.07 | 2.29 | 0.10 |
| | 2 | 10 | 5.56 | 0.27 | 0.09 | 10 | 5.36 | 0.32 | 0.10 | 10 | 5.58 | 0.21 | 0.07 | 5.50 | 0.07 |
| | 3 | 10 | 10.42 | 0.33 | 0.10 | 10 | 10.37 | 0.38 | 0.12 | 10 | 10.29 | 0.48 | 0.15 | 10.36 | 0.06 |
| | 4 | 10 | 14.81 | 0.56 | 0.18 | 10 | 15.22 | 0.38 | 0.12 | 10 | 15.14 | 0.43 | 0.14 | 15.06 | 0.13 |
| 90-Minute | 5 | 10 | 20.63 | 0.42 | 0.13 | 10 | 21.01 | 0.47 | 0.15 | 10 | 20.97 | 0.29 | 0.09 | 20.87 | 0.12 |
| | 9 | 10 | 10.23 | 1.43 | 0.45 | 10 | 10.61 | 1.36 | 0.43 | 10 | 11.56 | 1.40 | 0.44 | 10.80 | 0.40 |
| | 1 | 10 | 2.21 | 0.33 | 0.10 | 10 | 2.26 | 0.24 | 0.08 | 10 | 2.23 | 0.19 | 0.06 | 2.23 | 0.02 |
| | 2 | 10 | 5.54 | 0.14 | 0.05 | 10 | 5.63 | 0.30 | 0.10 | 10 | 5.42 | 0.13 | 0.04 | 5.53 | 0.10 |
| | 3 | 10 | 10.27 | 0.41 | 0.13 | 10 | 10.26 | 0.50 | 0.16 | 10 | 10.40 | 0.31 | 0.10 | 10.31 | 0.08 |
| 300-Minute | 4 | 10 | 15.45 | 0.57 | 0.18 | 10 | 15.22 | 0.35 | 0.11 | 10 | 15.11 | 0.21 | 0.07 | 15.26 | 0.18 |
| | 5 | 10 | 20.89 | 0.40 | 0.13 | 10 | 21.03 | 0.44 | 0.14 | 10 | 20.91 | 0.71 | 0.22 | 20.94 | 0.07 |
| | 9 | 10 | 11.30 | 1.75 | 0.55 | 10 | 12.38 | 1.12 | 0.36 | 10 | 12.21 | 1.29 | 0.41 | 11.97 | 0.58 |
| | 1 | 10 | 2.37 | 0.21 | 0.07 | 10 | 2.34 | 0.42 | 0.13 | 10 | 2.30 | 0.36 | 0.12 | 2.34 | 0.03 |
| | 2 | 10 | 5.55 | 0.37 | 0.12 | 10 | 5.61 | 0.36 | 0.11 | 10 | 5.59 | 0.22 | 0.07 | 5.58 | 0.03 |
| 600-Minute | 3 | 10 | 10.36 | 0.29 | 0.09 | 10 | 10.26 | 0.38 | 0.12 | 10 | 10.58 | 0.41 | 0.13 | 10.40 | 0.16 |
| | 4 | 10 | 15.47 | 0.42 | 0.13 | 10 | 15.52 | 0.43 | 0.13 | 10 | 15.54 | 0.48 | 0.15 | 15.51 | 0.04 |
| | 5 | 10 | 20.92 | 0.60 | 0.19 | 10 | 20.98 | 0.49 | 0.15 | 10 | 20.61 | 0.55 | 0.18 | 20.83 | 0.20 |
| | 9 | 10 | 11.67 | 1.65 | 0.52 | 10 | 12.93 | 1.37 | 0.43 | 10 | 11.38 | 0.87 | 0.27 | 11.99 | 0.82 |
| | 1 | 10 | 2.42 | 0.17 | 0.05 | 10 | 2.24 | 0.14 | 0.04 | 10 | 2.36 | 0.25 | 0.08 | 2.34 | 0.09 |
| 600-Minute | 2 | 10 | 5.37 | 0.33 | 0.10 | 10 | 5.64 | 0.33 | 0.10 | 10 | 5.24 | 0.34 | 0.11 | 5.42 | 0.20 |
| | 3 | 10 | 10.44 | 0.43 | 0.14 | 10 | 10.28 | 0.55 | 0.17 | 10 | 10.48 | 0.36 | 0.11 | 10.40 | 0.11 |
| | 4 | 10 | 15.04 | 0.52 | 0.16 | 10 | 15.45 | 0.58 | 0.18 | 10 | 15.07 | 0.38 | 0.12 | 15.19 | 0.23 |
| | 5 | 10 | 20.33 | 0.73 | 0.23 | 10 | 20.92 | 0.51 | 0.16 | 10 | 20.92 | 0.41 | 0.13 | 20.72 | 0.34 |
| | 9 | 10 | 10.76 | 1.65 | 0.52 | 10 | 12.59 | 1.54 | 0.49 | 10 | 10.49 | 1.45 | 0.46 | 11.28 | 1.14 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D345 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 2.23 | 0.34 | 0.11 | 10 | 2.26 | 0.23 | 0.07 | 10 | 2.31 | 0.23 | 0.07 |
| | 2 | 10 | 5.41 | 0.35 | 0.11 | 10 | 5.41 | 0.31 | 0.10 | 10 | 5.46 | 0.35 | 0.11 |
| | 3 | 10 | 10.18 | 0.50 | 0.16 | 10 | 10.69 | 0.46 | 0.15 | 10 | 10.63 | 0.39 | 0.12 |
| | 4 | 10 | 15.23 | 0.41 | 0.13 | 10 | 14.85 | 0.47 | 0.15 | 10 | 14.84 | 0.40 | 0.13 |
| | 5 | 10 | 20.79 | 0.62 | 0.20 | 10 | 21.64 | 0.32 | 0.10 | 10 | 21.30 | 0.54 | 0.17 |
| 30-Minute | 9 | 10 | 9.70 | 1.59 | 0.50 | 10 | 10.38 | 1.78 | 0.56 | 10 | 9.92 | 1.22 | 0.38 |
| | 1 | 10 | 2.21 | 0.44 | 0.14 | 10 | 2.27 | 0.27 | 0.09 | 10 | 2.25 | 0.16 | 0.05 |
| | 2 | 10 | 5.60 | 0.55 | 0.17 | 10 | 5.61 | 0.48 | 0.15 | 10 | 5.40 | 0.24 | 0.08 |
| | 3 | 10 | 10.29 | 0.25 | 0.08 | 10 | 10.41 | 0.44 | 0.14 | 10 | 10.22 | 0.42 | 0.13 |
| | 4 | 10 | 14.70 | 0.40 | 0.13 | 10 | 14.83 | 0.46 | 0.15 | 10 | 14.91 | 0.32 | 0.10 |
| 90-Minute | 5 | 10 | 20.73 | 0.35 | 0.11 | 10 | 21.14 | 0.35 | 0.11 | 10 | 21.13 | 0.35 | 0.11 |
| | 9 | 10 | 9.43 | 1.32 | 0.42 | 10 | 9.50 | 1.98 | 0.63 | 10 | 9.66 | 1.57 | 0.50 |
| | 1 | 10 | 2.12 | 0.13 | 0.04 | 10 | 2.35 | 0.31 | 0.10 | 10 | 2.32 | 0.28 | 0.09 |
| | 2 | 10 | 5.53 | 0.36 | 0.11 | 10 | 5.50 | 0.45 | 0.14 | 10 | 5.65 | 0.32 | 0.10 |
| | 3 | 10 | 10.53 | 0.33 | 0.10 | 10 | 10.58 | 0.48 | 0.15 | 10 | 10.41 | 0.59 | 0.19 |
| 300-Minute | 4 | 10 | 14.98 | 0.54 | 0.17 | 10 | 14.94 | 0.46 | 0.15 | 10 | 14.94 | 0.28 | 0.09 |
| | 5 | 10 | 21.31 | 0.39 | 0.12 | 10 | 21.16 | 0.68 | 0.22 | 10 | 21.01 | 0.41 | 0.13 |
| | 9 | 10 | 11.83 | 1.58 | 0.50 | 10 | 11.72 | 1.33 | 0.42 | 10 | 10.29 | 1.73 | 0.55 |
| | 1 | 10 | 2.46 | 0.29 | 0.09 | 10 | 2.24 | 0.26 | 0.08 | 10 | 2.22 | 0.24 | 0.08 |
| | 2 | 10 | 5.71 | 0.28 | 0.09 | 10 | 5.62 | 0.55 | 0.17 | 10 | 5.52 | 0.31 | 0.10 |
| 600-Minute | 3 | 10 | 10.43 | 0.38 | 0.12 | 10 | 10.48 | 0.38 | 0.12 | 10 | 10.58 | 0.57 | 0.18 |
| | 4 | 10 | 15.31 | 0.30 | 0.09 | 10 | 15.39 | 0.33 | 0.10 | 10 | 15.16 | 0.29 | 0.09 |
| | 5 | 10 | 21.02 | 0.42 | 0.13 | 10 | 20.93 | 0.58 | 0.18 | 10 | 20.83 | 0.55 | 0.17 |
| | 9 | 10 | 11.59 | 1.61 | 0.51 | 10 | 12.12 | 1.13 | 0.36 | 10 | 10.96 | 2.24 | 0.71 |
| | 1 | 10 | 2.45 | 0.30 | 0.09 | 10 | 2.23 | 0.27 | 0.09 | 10 | 2.30 | 0.26 | 0.08 |
| | 2 | 10 | 5.40 | 0.28 | 0.09 | 10 | 5.60 | 0.33 | 0.11 | 10 | 5.64 | 0.33 | 0.10 |
| | 3 | 10 | 10.41 | 0.44 | 0.14 | 10 | 10.55 | 0.37 | 0.12 | 10 | 10.40 | 0.37 | 0.12 |
| | 4 | 10 | 15.03 | 0.56 | 0.18 | 10 | 15.00 | 0.68 | 0.22 | 10 | 14.94 | 0.42 | 0.13 |
| | 5 | 10 | 20.48 | 0.41 | 0.13 | 10 | 21.05 | 0.43 | 0.14 | 10 | 20.97 | 0.50 | 0.16 |
| | 9 | 10 | 10.13 | 1.29 | 0.41 | 10 | 12.13 | 1.69 | 0.54 | 10 | 10.61 | 1.80 | 0.57 |
| | 1 | 10 | 2.27 | 0.04 | 0.02 | 3 | 2.27 | 0.04 | 0.02 | 3 | 2.27 | 0.04 | 0.02 |
| | 2 | 10 | 5.42 | 0.03 | 0.02 | 3 | 5.42 | 0.03 | 0.02 | 3 | 5.42 | 0.03 | 0.02 |
| | 3 | 10 | 10.50 | 0.28 | 0.16 | 3 | 10.50 | 0.28 | 0.16 | 3 | 10.50 | 0.28 | 0.16 |
| | 4 | 10 | 14.97 | 0.22 | 0.13 | 3 | 14.97 | 0.22 | 0.13 | 3 | 14.97 | 0.22 | 0.13 |
| | 5 | 10 | 21.24 | 0.42 | 0.25 | 3 | 21.24 | 0.42 | 0.25 | 3 | 21.24 | 0.42 | 0.25 |
| | 9 | 10 | 10.00 | 0.35 | 0.20 | 3 | 10.00 | 0.35 | 0.20 | 3 | 10.00 | 0.35 | 0.20 |
| | 1 | 10 | 2.24 | 0.03 | 0.02 | 3 | 2.24 | 0.03 | 0.02 | 3 | 2.24 | 0.03 | 0.02 |
| | 2 | 10 | 5.53 | 0.12 | 0.07 | 3 | 5.53 | 0.12 | 0.07 | 3 | 5.53 | 0.12 | 0.07 |
| | 3 | 10 | 10.31 | 0.10 | 0.06 | 3 | 10.31 | 0.10 | 0.06 | 3 | 10.31 | 0.10 | 0.06 |
| | 4 | 10 | 14.81 | 0.10 | 0.06 | 3 | 14.81 | 0.10 | 0.06 | 3 | 14.81 | 0.10 | 0.06 |
| | 5 | 10 | 21.00 | 0.23 | 0.13 | 3 | 21.00 | 0.23 | 0.13 | 3 | 21.00 | 0.23 | 0.13 |
| | 9 | 10 | 9.53 | 0.12 | 0.07 | 3 | 9.53 | 0.12 | 0.07 | 3 | 9.53 | 0.12 | 0.07 |
| | 1 | 10 | 2.26 | 0.13 | 0.07 | 3 | 2.26 | 0.13 | 0.07 | 3 | 2.26 | 0.13 | 0.07 |
| | 2 | 10 | 5.56 | 0.08 | 0.05 | 3 | 5.56 | 0.08 | 0.05 | 3 | 5.56 | 0.08 | 0.05 |
| | 3 | 10 | 10.51 | 0.09 | 0.05 | 3 | 10.51 | 0.09 | 0.05 | 3 | 10.51 | 0.09 | 0.05 |
| | 4 | 10 | 14.95 | 0.02 | 0.01 | 3 | 14.95 | 0.02 | 0.01 | 3 | 14.95 | 0.02 | 0.01 |
| | 5 | 10 | 21.16 | 0.15 | 0.09 | 3 | 21.16 | 0.15 | 0.09 | 3 | 21.16 | 0.15 | 0.09 |
| | 9 | 10 | 11.28 | 0.86 | 0.50 | 3 | 11.28 | 0.86 | 0.50 | 3 | 11.28 | 0.86 | 0.50 |
| | 1 | 10 | 2.30 | 0.13 | 0.08 | 3 | 2.30 | 0.13 | 0.08 | 3 | 2.30 | 0.13 | 0.08 |
| | 2 | 10 | 5.62 | 0.09 | 0.05 | 3 | 5.62 | 0.09 | 0.05 | 3 | 5.62 | 0.09 | 0.05 |
| | 3 | 10 | 10.50 | 0.08 | 0.04 | 3 | 10.50 | 0.08 | 0.04 | 3 | 10.50 | 0.08 | 0.04 |
| | 4 | 10 | 15.29 | 0.12 | 0.07 | 3 | 15.29 | 0.12 | 0.07 | 3 | 15.29 | 0.12 | 0.07 |
| | 5 | 10 | 20.92 | 0.09 | 0.05 | 3 | 20.92 | 0.09 | 0.05 | 3 | 20.92 | 0.09 | 0.05 |
| | 9 | 10 | 11.56 | 0.58 | 0.33 | 3 | 11.56 | 0.58 | 0.33 | 3 | 11.56 | 0.58 | 0.33 |
| | 1 | 10 | 2.33 | 0.11 | 0.06 | 3 | 2.33 | 0.11 | 0.06 | 3 | 2.33 | 0.11 | 0.06 |
| | 2 | 10 | 5.55 | 0.13 | 0.08 | 3 | 5.55 | 0.13 | 0.08 | 3 | 5.55 | 0.13 | 0.08 |
| | 3 | 10 | 10.45 | 0.09 | 0.05 | 3 | 10.45 | 0.09 | 0.05 | 3 | 10.45 | 0.09 | 0.05 |
| | 4 | 10 | 14.99 | 0.05 | 0.03 | 3 | 14.99 | 0.05 | 0.03 | 3 | 14.99 | 0.05 | 0.03 |
| | 5 | 10 | 20.83 | 0.30 | 0.18 | 3 | 20.83 | 0.30 | 0.18 | 3 | 20.83 | 0.30 | 0.18 |
| | 9 | 10 | 10.96 | 1.04 | 0.60 | 3 | 10.96 | 1.04 | 0.60 | 3 | 10.96 | 1.04 | 0.60 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D345 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 27.37 | 8.91 | 2.82 | 10 | 16.37 | 6.11 | 1.93 | 10 | 12.61 | 5.89 | 1.86 | 3 | 18.78 | 7.67 | 4.43 |
| | 2 | 10 | 16.49 | 5.81 | 1.84 | 10 | 18.37 | 5.07 | 1.60 | 10 | 15.32 | 4.19 | 1.33 | 3 | 16.73 | 1.54 | 0.89 |
| | 3 | 10 | 15.21 | 6.93 | 2.19 | 10 | 11.62 | 3.10 | 0.98 | 10 | 11.96 | 2.92 | 0.92 | 3 | 12.93 | 1.98 | 1.14 |
| | 4 | 10 | 19.73 | 7.80 | 2.47 | 10 | 18.23 | 6.41 | 2.03 | 10 | 21.05 | 10.53 | 3.33 | 3 | 19.67 | 1.41 | 0.82 |
| | 5 | 10 | 21.20 | 10.59 | 3.35 | 10 | 35.40 | 8.40 | 2.65 | 10 | 39.06 | 11.15 | 3.53 | 3 | 31.89 | 9.44 | 5.45 |
| 30-Minute | 1 | 10 | 19.56 | 8.60 | 2.72 | 10 | 21.08 | 8.97 | 2.84 | 10 | 20.21 | 3.51 | 1.11 | 3 | 20.28 | 0.76 | 0.44 |
| | 2 | 10 | 14.38 | 4.83 | 1.53 | 10 | 16.62 | 5.92 | 1.87 | 10 | 15.70 | 7.07 | 2.24 | 3 | 15.57 | 1.13 | 0.65 |
| | 3 | 10 | 14.51 | 5.14 | 1.62 | 10 | 14.57 | 4.49 | 1.42 | 10 | 12.81 | 3.62 | 1.14 | 3 | 13.96 | 1.00 | 0.58 |
| | 4 | 10 | 25.83 | 9.01 | 2.85 | 10 | 17.36 | 4.80 | 1.52 | 10 | 15.68 | 5.83 | 1.84 | 3 | 19.62 | 5.44 | 3.14 |
| | 5 | 10 | 25.72 | 7.75 | 2.45 | 10 | 30.37 | 9.79 | 3.10 | 10 | 35.61 | 5.62 | 1.78 | 3 | 30.57 | 4.94 | 2.85 |
| 90-Minute | 1 | 10 | 15.02 | 8.68 | 2.74 | 10 | 11.44 | 3.67 | 1.16 | 10 | 13.69 | 3.60 | 1.14 | 3 | 13.38 | 1.81 | 1.04 |
| | 2 | 10 | 13.85 | 3.98 | 1.26 | 10 | 10.56 | 5.11 | 1.62 | 10 | 15.66 | 5.32 | 1.68 | 3 | 13.35 | 2.58 | 1.49 |
| | 3 | 10 | 10.94 | 3.39 | 1.07 | 10 | 12.58 | 4.45 | 1.41 | 10 | 11.39 | 5.34 | 1.69 | 3 | 11.64 | 0.85 | 0.49 |
| | 4 | 10 | 19.92 | 8.51 | 2.69 | 10 | 22.75 | 8.02 | 2.54 | 10 | 23.78 | 6.96 | 2.20 | 3 | 22.15 | 2.00 | 1.15 |
| | 5 | 10 | 40.28 | 10.29 | 3.25 | 10 | 42.67 | 7.58 | 2.40 | 10 | 35.32 | 12.10 | 3.83 | 3 | 39.42 | 3.75 | 2.16 |
| 300-Minute | 1 | 10 | 14.75 | 5.33 | 1.69 | 10 | 9.83 | 3.79 | 1.20 | 10 | 14.89 | 5.81 | 1.84 | 3 | 13.16 | 2.89 | 1.67 |
| | 2 | 10 | 13.92 | 5.03 | 1.59 | 10 | 10.90 | 4.00 | 1.27 | 10 | 22.42 | 5.88 | 1.86 | 3 | 15.75 | 5.97 | 3.45 |
| | 3 | 10 | 13.87 | 5.18 | 1.64 | 10 | 14.83 | 4.60 | 1.46 | 10 | 13.61 | 3.87 | 1.22 | 3 | 14.10 | 0.64 | 0.37 |
| | 4 | 10 | 21.70 | 6.28 | 1.99 | 10 | 17.81 | 4.09 | 1.29 | 10 | 21.63 | 7.17 | 2.27 | 3 | 20.38 | 2.22 | 1.28 |
| | 5 | 10 | 35.75 | 9.19 | 2.91 | 10 | 46.63 | 8.98 | 2.84 | 10 | 27.45 | 6.35 | 2.01 | 3 | 36.61 | 9.62 | 5.55 |
| 600-Minute | 1 | 10 | 14.81 | 4.24 | 1.34 | 10 | 10.90 | 4.63 | 1.46 | 10 | 16.66 | 5.94 | 1.88 | 3 | 14.12 | 2.94 | 1.70 |
| | 2 | 10 | 15.92 | 4.01 | 1.27 | 10 | 10.15 | 3.08 | 0.97 | 10 | 17.04 | 4.59 | 1.45 | 3 | 14.37 | 3.70 | 2.14 |
| | 3 | 10 | 15.06 | 6.63 | 2.10 | 10 | 15.39 | 4.44 | 1.40 | 10 | 12.76 | 3.15 | 1.00 | 3 | 14.40 | 1.43 | 0.83 |
| | 4 | 10 | 27.15 | 8.29 | 2.62 | 10 | 26.91 | 8.05 | 2.54 | 10 | 21.41 | 8.03 | 2.54 | 3 | 25.16 | 3.25 | 1.87 |
| | 5 | 10 | 27.07 | 11.00 | 3.48 | 10 | 36.66 | 10.18 | 3.22 | 10 | 32.12 | 7.38 | 2.34 | 3 | 31.95 | 4.80 | 2.77 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D345 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 19.27 | 8.17 | 2.58 | 10 | 14.74 | 4.55 | 1.44 | 10 | 15.55 | 5.31 | 1.68 | 3 | 16.52 | 2.41 | 1.39 |
| | 2 | 10 | 13.87 | 7.38 | 2.33 | 10 | 19.17 | 9.25 | 2.92 | 10 | 14.19 | 4.57 | 1.44 | 3 | 15.74 | 2.97 | 1.72 |
| | 3 | 10 | 10.60 | 3.39 | 1.07 | 10 | 10.91 | 3.25 | 1.03 | 10 | 13.96 | 4.08 | 1.29 | 3 | 11.82 | 1.86 | 1.07 |
| | 4 | 10 | 16.95 | 6.52 | 2.06 | 10 | 17.54 | 6.77 | 2.14 | 10 | 22.81 | 10.55 | 3.34 | 3 | 19.10 | 3.22 | 1.86 |
| | 5 | 10 | 39.32 | 17.55 | 5.55 | 10 | 37.63 | 10.10 | 3.19 | 10 | 33.49 | 9.19 | 2.90 | 3 | 36.81 | 3.00 | 1.73 |
| 30-Minute | 1 | 10 | 26.26 | 9.51 | 3.01 | 10 | 26.89 | 8.06 | 2.55 | 10 | 23.28 | 7.15 | 2.26 | 3 | 25.47 | 1.93 | 1.11 |
| | 2 | 10 | 17.66 | 6.51 | 2.06 | 10 | 18.79 | 7.57 | 2.39 | 10 | 16.43 | 6.45 | 2.04 | 3 | 17.63 | 1.18 | 0.68 |
| | 3 | 10 | 14.46 | 3.26 | 1.03 | 10 | 13.00 | 5.01 | 1.58 | 10 | 13.43 | 3.86 | 1.22 | 3 | 13.63 | 0.75 | 0.43 |
| | 4 | 10 | 24.44 | 10.29 | 3.25 | 10 | 17.40 | 5.14 | 1.63 | 10 | 19.11 | 9.17 | 2.90 | 3 | 20.32 | 3.67 | 2.12 |
| | 5 | 10 | 17.18 | 7.67 | 2.43 | 10 | 23.92 | 8.92 | 2.82 | 10 | 27.75 | 4.76 | 1.51 | 3 | 22.95 | 5.35 | 3.09 |
| 90-Minute | 1 | 10 | 24.31 | 8.61 | 2.72 | 10 | 18.31 | 4.54 | 1.44 | 10 | 16.18 | 5.47 | 1.73 | 3 | 19.60 | 4.22 | 2.43 |
| | 2 | 10 | 18.19 | 6.70 | 2.12 | 10 | 15.63 | 5.38 | 1.70 | 10 | 18.93 | 7.86 | 2.49 | 3 | 17.58 | 1.73 | 1.00 |
| | 3 | 10 | 11.93 | 3.94 | 1.24 | 10 | 15.75 | 4.08 | 1.29 | 10 | 13.71 | 5.20 | 1.65 | 3 | 13.80 | 1.91 | 1.10 |
| | 4 | 10 | 18.68 | 6.77 | 2.14 | 10 | 19.09 | 4.56 | 1.44 | 10 | 22.35 | 8.31 | 2.63 | 3 | 20.04 | 2.01 | 1.16 |
| | 5 | 10 | 26.89 | 8.00 | 2.53 | 10 | 31.22 | 6.51 | 2.06 | 10 | 28.77 | 8.90 | 2.82 | 3 | 28.96 | 2.17 | 1.25 |
| 300-Minute | 1 | 10 | 18.61 | 5.74 | 1.82 | 10 | 16.23 | 5.07 | 1.60 | 10 | 20.54 | 5.41 | 1.71 | 3 | 18.46 | 2.16 | 1.25 |
| | 2 | 10 | 18.05 | 10.10 | 3.19 | 10 | 14.70 | 4.87 | 1.54 | 10 | 19.59 | 3.88 | 1.23 | 3 | 17.45 | 2.50 | 1.44 |
| | 3 | 10 | 15.59 | 6.52 | 2.06 | 10 | 14.98 | 4.97 | 1.57 | 10 | 13.46 | 4.93 | 1.56 | 3 | 14.67 | 1.10 | 0.63 |
| | 4 | 10 | 24.84 | 8.47 | 2.68 | 10 | 21.48 | 7.32 | 2.32 | 10 | 23.49 | 8.75 | 2.77 | 3 | 23.27 | 1.69 | 0.98 |
| | 5 | 10 | 22.91 | 6.53 | 2.06 | 10 | 32.61 | 9.68 | 3.06 | 10 | 22.92 | 5.84 | 1.85 | 3 | 26.15 | 5.60 | 3.23 |
| 600-Minute | 1 | 10 | 19.72 | 7.49 | 2.37 | 10 | 15.10 | 5.45 | 1.72 | 10 | 20.17 | 6.26 | 1.98 | 3 | 18.33 | 2.81 | 1.62 |
| | 2 | 10 | 20.49 | 6.06 | 1.92 | 10 | 15.98 | 6.47 | 2.05 | 10 | 23.74 | 10.21 | 3.23 | 3 | 20.07 | 3.90 | 2.25 |
| | 3 | 10 | 15.96 | 5.70 | 1.80 | 10 | 16.05 | 5.28 | 1.67 | 10 | 15.15 | 4.13 | 1.31 | 3 | 15.72 | 0.50 | 0.29 |
| | 4 | 10 | 26.78 | 8.02 | 2.54 | 10 | 24.65 | 9.28 | 2.93 | 10 | 23.21 | 9.27 | 2.93 | 3 | 24.88 | 1.80 | 1.04 |
| | 5 | 10 | 17.06 | 9.58 | 3.03 | 10 | 28.23 | 12.14 | 3.84 | 10 | 17.73 | 4.44 | 1.41 | 3 | 21.01 | 6.26 | 3.62 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D345 DOSED WITH 0.0 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | |
| Baseline | 1 | 10 | 30.51 | 8.70 | 2.75 | 10 | 27.48 | 16.02 | 5.07 | 10 | 32.28 | 8.36 | 2.64 | 1.40 |
| | 2 | 10 | 18.30 | 8.15 | 2.58 | 10 | 16.89 | 6.18 | 1.96 | 10 | 19.04 | 5.29 | 1.67 | 0.63 |
| | 3 | 10 | 14.33 | 4.04 | 1.28 | 10 | 12.35 | 3.26 | 1.03 | 10 | 17.04 | 6.07 | 1.92 | 1.36 |
| | 4 | 10 | 21.67 | 8.76 | 2.77 | 10 | 25.14 | 8.78 | 2.78 | 10 | 21.56 | 7.83 | 2.48 | 1.18 |
| | 5 | 10 | 15.19 | 7.72 | 2.44 | 10 | 18.13 | 12.96 | 4.10 | 10 | 10.08 | 4.06 | 1.28 | 2.35 |
| 30-Minute | 1 | 10 | 28.80 | 16.27 | 5.15 | 10 | 41.32 | 19.00 | 6.01 | 10 | 35.51 | 13.10 | 4.14 | 3.62 |
| | 2 | 10 | 15.98 | 5.83 | 1.84 | 10 | 16.15 | 5.53 | 1.75 | 10 | 17.14 | 3.95 | 1.25 | 0.36 |
| | 3 | 10 | 14.66 | 5.21 | 1.65 | 10 | 13.16 | 4.42 | 1.40 | 10 | 14.32 | 5.61 | 1.77 | 0.45 |
| | 4 | 10 | 25.60 | 11.16 | 3.53 | 10 | 19.42 | 9.64 | 3.05 | 10 | 20.44 | 8.70 | 2.75 | 3.31 |
| | 5 | 10 | 14.95 | 9.82 | 3.11 | 10 | 9.95 | 6.21 | 1.96 | 10 | 12.58 | 4.19 | 1.32 | 1.45 |
| 90-Minute | 1 | 10 | 21.39 | 7.70 | 2.44 | 10 | 9.17 | 5.81 | 1.84 | 10 | 17.82 | 9.08 | 2.87 | 3.63 |
| | 2 | 10 | 16.67 | 6.45 | 2.04 | 10 | 9.26 | 5.56 | 1.76 | 10 | 16.67 | 5.14 | 1.62 | 2.47 |
| | 3 | 10 | 15.85 | 5.35 | 1.69 | 10 | 15.09 | 5.18 | 1.64 | 10 | 16.52 | 3.69 | 1.17 | 0.41 |
| | 4 | 10 | 21.95 | 9.92 | 3.14 | 10 | 28.26 | 9.26 | 2.93 | 10 | 26.40 | 8.09 | 2.56 | 1.87 |
| | 5 | 10 | 24.14 | 14.86 | 4.70 | 10 | 38.22 | 17.20 | 5.44 | 10 | 22.19 | 12.00 | 3.79 | 5.05 |
| 300-Minute | 1 | 10 | 17.05 | 11.54 | 3.65 | 10 | 8.81 | 5.82 | 1.84 | 10 | 16.42 | 10.42 | 3.29 | 2.65 |
| | 2 | 10 | 10.96 | 5.14 | 1.62 | 10 | 8.11 | 4.39 | 1.39 | 10 | 14.93 | 8.97 | 2.84 | 1.97 |
| | 3 | 10 | 17.16 | 7.33 | 2.32 | 10 | 14.70 | 6.42 | 2.03 | 10 | 18.68 | 4.57 | 1.45 | 1.16 |
| | 4 | 10 | 24.83 | 5.94 | 1.88 | 10 | 18.93 | 4.13 | 1.31 | 10 | 25.17 | 7.00 | 2.21 | 2.03 |
| | 5 | 10 | 30.00 | 13.53 | 4.28 | 10 | 49.44 | 15.07 | 4.77 | 10 | 24.80 | 11.98 | 3.79 | 7.50 |
| 600-Minute | 1 | 10 | 21.53 | 7.57 | 2.39 | 10 | 9.76 | 5.06 | 1.60 | 10 | 15.03 | 7.61 | 2.41 | 3.41 |
| | 2 | 10 | 20.12 | 7.85 | 2.48 | 10 | 10.30 | 4.58 | 1.45 | 10 | 16.13 | 6.80 | 2.15 | 2.85 |
| | 3 | 10 | 17.74 | 7.69 | 2.43 | 10 | 13.24 | 4.38 | 1.39 | 10 | 17.76 | 3.70 | 1.17 | 1.50 |
| | 4 | 10 | 24.65 | 9.40 | 2.97 | 10 | 33.48 | 10.90 | 3.45 | 10 | 26.51 | 5.45 | 1.72 | 2.69 |
| | 5 | 10 | 15.95 | 11.28 | 3.57 | 10 | 33.23 | 13.82 | 4.37 | 10 | 24.57 | 9.88 | 3.13 | 4.99 |

PARAMETER = Percent Power
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | | Windows 11-20 | | | | Windows 21-30 | | | | Grand Mean | | | |
|------------|------------|--------------|-------|-------|------|---------------|-------|-------|------|---------------|-------|-------|------|------------|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 29.53 | 8.69 | 2.75 | 10 | 23.77 | 10.92 | 3.45 | 10 | 26.18 | 8.03 | 2.54 | 3 | 26.50 | 2.89 | 1.67 |
| | 2 | 10 | 17.45 | 5.12 | 1.62 | 10 | 19.11 | 3.96 | 1.25 | 10 | 19.07 | 4.68 | 1.48 | 3 | 18.54 | 0.95 | 0.55 |
| | 3 | 10 | 14.90 | 5.56 | 1.76 | 10 | 15.54 | 4.11 | 1.30 | 10 | 18.52 | 5.87 | 1.86 | 3 | 16.32 | 1.93 | 1.12 |
| | 4 | 10 | 23.41 | 6.70 | 2.12 | 10 | 26.46 | 10.63 | 3.36 | 10 | 21.29 | 4.84 | 1.53 | 3 | 23.72 | 2.60 | 1.50 |
| | 5 | 10 | 14.71 | 7.84 | 2.48 | 10 | 15.11 | 10.54 | 3.33 | 10 | 14.93 | 8.31 | 2.63 | 3 | 14.92 | 0.20 | 0.12 |
| 30-Minute | 1 | 10 | 27.09 | 13.42 | 4.25 | 10 | 32.07 | 16.43 | 5.19 | 10 | 29.69 | 12.86 | 4.07 | 3 | 29.62 | 2.49 | 1.44 |
| | 2 | 10 | 19.96 | 5.70 | 1.80 | 10 | 14.48 | 5.98 | 1.89 | 10 | 17.13 | 2.51 | 0.79 | 3 | 17.19 | 2.74 | 1.58 |
| | 3 | 10 | 18.34 | 5.78 | 1.83 | 10 | 16.60 | 6.54 | 2.07 | 10 | 17.43 | 4.64 | 1.47 | 3 | 17.46 | 0.87 | 0.50 |
| | 4 | 10 | 22.20 | 5.76 | 1.82 | 10 | 24.22 | 13.36 | 4.22 | 10 | 20.30 | 7.59 | 2.40 | 3 | 22.24 | 1.96 | 1.13 |
| | 5 | 10 | 12.42 | 3.63 | 1.15 | 10 | 12.63 | 4.04 | 1.28 | 10 | 15.45 | 4.54 | 1.44 | 3 | 13.50 | 1.69 | 0.98 |
| 90-Minute | 1 | 10 | 17.05 | 7.89 | 2.50 | 10 | 18.11 | 4.58 | 1.45 | 10 | 24.61 | 10.53 | 3.33 | 3 | 19.92 | 4.09 | 2.36 |
| | 2 | 10 | 17.55 | 2.82 | 0.89 | 10 | 13.27 | 3.96 | 1.25 | 10 | 19.03 | 6.90 | 2.18 | 3 | 16.62 | 2.99 | 1.73 |
| | 3 | 10 | 16.39 | 6.65 | 2.10 | 10 | 18.41 | 5.16 | 1.63 | 10 | 16.90 | 2.82 | 0.89 | 3 | 17.24 | 1.05 | 0.61 |
| | 4 | 10 | 26.39 | 8.07 | 2.55 | 10 | 31.93 | 9.17 | 2.90 | 10 | 22.81 | 9.30 | 2.94 | 3 | 27.04 | 4.59 | 2.65 |
| | 5 | 10 | 22.62 | 8.10 | 2.56 | 10 | 18.27 | 6.77 | 2.14 | 10 | 16.56 | 8.03 | 2.54 | 3 | 19.15 | 3.12 | 1.80 |
| 300-Minute | 1 | 10 | 16.90 | 7.75 | 2.45 | 10 | 19.17 | 5.00 | 1.58 | 10 | 20.71 | 10.31 | 3.26 | 3 | 18.93 | 1.92 | 1.11 |
| | 2 | 10 | 19.06 | 5.91 | 1.87 | 10 | 13.95 | 5.09 | 1.61 | 10 | 16.32 | 7.92 | 2.50 | 3 | 16.44 | 2.56 | 1.48 |
| | 3 | 10 | 16.03 | 7.44 | 2.35 | 10 | 16.15 | 3.80 | 1.20 | 10 | 17.67 | 5.72 | 1.81 | 3 | 16.62 | 0.91 | 0.53 |
| | 4 | 10 | 29.42 | 13.48 | 4.26 | 10 | 25.33 | 7.97 | 2.52 | 10 | 30.08 | 14.15 | 4.47 | 3 | 28.27 | 2.57 | 1.48 |
| | 5 | 10 | 18.59 | 7.93 | 2.51 | 10 | 25.40 | 4.84 | 1.53 | 10 | 15.23 | 4.29 | 1.36 | 3 | 19.74 | 5.18 | 2.99 |
| 600-Minute | 1 | 10 | 21.23 | 7.38 | 2.33 | 10 | 16.24 | 5.85 | 1.85 | 10 | 20.78 | 9.26 | 2.93 | 3 | 19.42 | 2.76 | 1.59 |
| | 2 | 10 | 21.42 | 3.96 | 1.25 | 10 | 14.49 | 7.28 | 2.30 | 10 | 20.91 | 9.21 | 2.91 | 3 | 18.94 | 3.86 | 2.23 |
| | 3 | 10 | 19.09 | 6.94 | 2.20 | 10 | 16.11 | 4.02 | 1.27 | 10 | 16.49 | 5.09 | 1.61 | 3 | 17.23 | 1.62 | 0.94 |
| | 4 | 10 | 25.20 | 5.55 | 1.76 | 10 | 31.34 | 10.70 | 3.38 | 10 | 25.67 | 11.17 | 3.53 | 3 | 27.40 | 3.42 | 1.97 |
| | 5 | 10 | 13.06 | 5.79 | 1.83 | 10 | 21.82 | 12.50 | 3.95 | 10 | 16.16 | 4.22 | 1.34 | 3 | 17.01 | 4.44 | 2.57 |

Animal D345

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 8.17 | 6.76 | 2.14 | 10 | 14.05 | 6.04 | 1.91 | 10 | 6.10 | 3.89 | 1.23 |
| | 2 | 10 | 4.13 | 2.89 | 0.91 | 10 | 6.98 | 4.09 | 1.29 | 10 | 1.80 | 0.52 | 0.16 |
| | 3 | 10 | 4.99 | 2.23 | 0.70 | 10 | 4.13 | 1.48 | 0.47 | 10 | 2.70 | 0.90 | 0.29 |
| | 4 | 10 | 4.80 | 2.13 | 0.67 | 10 | 3.32 | 1.24 | 0.39 | 10 | 2.35 | 0.77 | 0.24 |
| | 5 | 10 | 7.33 | 4.04 | 1.28 | 10 | 6.21 | 5.60 | 1.77 | 10 | 4.13 | 0.97 | 0.31 |
| | 6 | 10 | 5.01 | 2.24 | 0.71 | 10 | 2.98 | 1.05 | 0.33 | 10 | 3.22 | 0.92 | 0.29 |
| | 7 | 10 | 16.69 | 10.16 | 3.21 | 10 | 13.45 | 13.14 | 4.16 | 10 | 8.90 | 1.39 | 0.44 |
| | 8 | 10 | 0.32 | 0.20 | 0.06 | 10 | 0.29 | 0.50 | 0.16 | 10 | 0.11 | 0.05 | 0.02 |
| | 9 | 10 | 29.42 | 12.32 | 3.89 | 10 | 34.69 | 14.31 | 4.53 | 10 | 17.09 | 5.35 | 1.69 |
| 30-Minute | 1 | 10 | 16.97 | 13.73 | 4.34 | 10 | 22.01 | 8.43 | 2.67 | 10 | 27.83 | 18.52 | 5.86 |
| | 2 | 10 | 4.83 | 2.37 | 0.75 | 10 | 6.85 | 5.19 | 1.64 | 10 | 6.58 | 4.55 | 1.44 |
| | 3 | 10 | 2.51 | 1.10 | 0.35 | 10 | 2.06 | 0.66 | 0.21 | 10 | 2.77 | 1.35 | 0.43 |
| | 4 | 10 | 2.25 | 1.55 | 0.49 | 10 | 1.76 | 0.61 | 0.19 | 10 | 1.78 | 0.81 | 0.25 |
| | 5 | 10 | 2.25 | 1.45 | 0.46 | 10 | 1.06 | 0.57 | 0.18 | 10 | 1.30 | 0.78 | 0.25 |
| | 6 | 10 | 1.35 | 1.12 | 0.35 | 10 | 0.47 | 0.48 | 0.15 | 10 | 0.52 | 0.36 | 0.11 |
| | 7 | 10 | 3.36 | 4.04 | 1.28 | 10 | 0.72 | 0.71 | 0.23 | 10 | 0.79 | 0.68 | 0.22 |
| | 8 | 10 | 0.04 | 0.09 | 0.03 | 10 | 0.01 | 0.02 | 0.01 | 10 | 0.00 | 0.00 | 0.00 |
| | 9 | 10 | 28.82 | 16.31 | 5.16 | 10 | 33.74 | 10.16 | 3.21 | 10 | 40.27 | 21.34 | 6.75 |
| 300-Minute | 1 | 10 | 18.38 | 5.05 | 1.60 | 10 | 16.66 | 9.77 | 3.09 | 10 | 24.12 | 9.19 | 2.91 |
| | 2 | 10 | 6.24 | 3.77 | 1.19 | 10 | 4.93 | 2.88 | 0.91 | 10 | 6.63 | 3.70 | 1.17 |
| | 3 | 10 | 3.69 | 1.83 | 0.58 | 10 | 2.74 | 1.01 | 0.32 | 10 | 2.60 | 1.26 | 0.40 |
| | 4 | 10 | 2.96 | 1.02 | 0.32 | 10 | 2.84 | 1.23 | 0.39 | 10 | 2.07 | 1.29 | 0.41 |
| | 5 | 10 | 3.83 | 2.08 | 0.66 | 10 | 4.05 | 1.90 | 0.60 | 10 | 2.01 | 0.91 | 0.29 |
| | 6 | 10 | 2.57 | 1.44 | 0.46 | 10 | 3.28 | 1.49 | 0.47 | 10 | 1.45 | 0.88 | 0.28 |
| | 7 | 10 | 8.19 | 5.31 | 1.68 | 10 | 12.82 | 6.80 | 2.15 | 10 | 3.27 | 3.16 | 1.00 |
| | 8 | 10 | 0.02 | 0.05 | 0.01 | 10 | 0.16 | 0.20 | 0.06 | 10 | 0.02 | 0.06 | 0.02 |
| | 9 | 10 | 35.11 | 10.54 | 3.33 | 10 | 31.22 | 14.84 | 4.69 | 10 | 37.44 | 12.20 | 3.86 |
| 600-Minute | 1 | 10 | 32.72 | 10.76 | 3.40 | 10 | 24.74 | 8.30 | 2.62 | 10 | 25.44 | 13.35 | 4.22 |
| | 2 | 10 | 8.03 | 5.63 | 1.78 | 10 | 7.17 | 3.28 | 1.04 | 10 | 7.07 | 4.60 | 1.45 |
| | 3 | 10 | 5.99 | 2.51 | 0.79 | 10 | 6.15 | 3.04 | 0.96 | 10 | 6.81 | 4.33 | 1.37 |
| | 4 | 10 | 5.36 | 2.71 | 0.86 | 10 | 7.53 | 1.45 | 0.46 | 10 | 6.15 | 2.86 | 0.90 |
| | 5 | 10 | 6.99 | 1.13 | 0.36 | 10 | 10.11 | 3.41 | 1.08 | 10 | 8.66 | 3.64 | 1.15 |
| | 6 | 10 | 6.21 | 2.36 | 0.75 | 10 | 6.51 | 2.16 | 0.68 | 10 | 6.26 | 1.73 | 0.55 |
| | 7 | 10 | 21.73 | 6.63 | 2.10 | 10 | 22.67 | 6.17 | 1.95 | 10 | 27.00 | 7.00 | 2.21 |
| | 8 | 10 | 0.25 | 0.35 | 0.11 | 10 | 0.41 | 0.36 | 0.11 | 10 | 0.40 | 0.29 | 0.09 |
| | 9 | 10 | 59.09 | 16.30 | 5.16 | 10 | 55.71 | 14.03 | 4.44 | 10 | 54.13 | 18.08 | 5.72 |
| | 1 | 10 | 27.63 | 4.42 | 1.45 | 10 | 27.63 | 4.42 | 1.45 | 10 | 27.63 | 4.42 | 1.45 |
| | 2 | 10 | 7.42 | 0.53 | 0.30 | 10 | 7.42 | 0.53 | 0.30 | 10 | 7.42 | 0.53 | 0.30 |
| | 3 | 10 | 6.32 | 0.43 | 0.25 | 10 | 6.32 | 0.43 | 0.25 | 10 | 6.32 | 0.43 | 0.25 |
| | 4 | 10 | 6.35 | 1.10 | 0.63 | 10 | 6.35 | 1.10 | 0.63 | 10 | 6.35 | 1.10 | 0.63 |
| | 5 | 10 | 8.59 | 1.56 | 0.90 | 10 | 8.59 | 1.56 | 0.90 | 10 | 8.59 | 1.56 | 0.90 |
| | 6 | 10 | 6.33 | 0.16 | 0.09 | 10 | 6.33 | 0.16 | 0.09 | 10 | 6.33 | 0.16 | 0.09 |
| | 7 | 10 | 23.80 | 2.81 | 1.62 | 10 | 23.80 | 2.81 | 1.62 | 10 | 23.80 | 2.81 | 1.62 |
| | 8 | 10 | 0.35 | 0.09 | 0.05 | 10 | 0.35 | 0.09 | 0.05 | 10 | 0.35 | 0.09 | 0.05 |
| | 9 | 10 | 56.31 | 2.54 | 1.46 | 10 | 56.31 | 2.54 | 1.46 | 10 | 56.31 | 2.54 | 1.46 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|-------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | |
| Baseline | 1 | 10 | 4.93 | 4.70 | 1.49 | 10 | 10.45 | 5.13 | 1.62 | 10 | 7.46 | 2.38 | 0.75 | 1.60 |
| | 2 | 10 | 2.63 | 1.19 | 0.38 | 10 | 2.07 | 1.32 | 0.42 | 10 | 0.95 | 0.43 | 0.14 | 0.49 |
| | 3 | 10 | 4.21 | 2.12 | 0.67 | 10 | 2.97 | 2.72 | 0.86 | 10 | 1.65 | 0.53 | 0.17 | 0.74 |
| | 4 | 10 | 5.65 | 2.90 | 0.92 | 10 | 3.22 | 2.73 | 0.86 | 10 | 1.74 | 0.51 | 0.16 | 1.14 |
| | 5 | 10 | 8.33 | 3.66 | 1.16 | 10 | 5.13 | 4.86 | 1.54 | 10 | 2.93 | 0.90 | 0.28 | 1.57 |
| | 6 | 10 | 5.37 | 2.49 | 0.79 | 10 | 3.16 | 1.93 | 0.61 | 10 | 2.01 | 1.03 | 0.33 | 0.99 |
| | 7 | 10 | 25.20 | 10.91 | 3.45 | 10 | 15.96 | 18.96 | 6.00 | 10 | 6.06 | 2.10 | 0.66 | 5.53 |
| | 8 | 10 | 0.49 | 0.37 | 0.12 | 10 | 0.12 | 0.15 | 0.05 | 10 | 0.00 | 0.00 | 0.00 | 0.15 |
| | 9 | 10 | 25.74 | 7.90 | 2.50 | 10 | 23.84 | 14.96 | 4.73 | 10 | 14.74 | 2.55 | 0.81 | 3.40 |
| 30-Minute | 1 | 10 | 16.69 | 14.73 | 4.66 | 10 | 29.65 | 21.31 | 6.74 | 10 | 40.90 | 34.18 | 10.81 | 6.99 |
| | 2 | 10 | 3.69 | 3.24 | 1.02 | 10 | 3.89 | 2.24 | 0.71 | 10 | 6.30 | 7.51 | 2.37 | 0.84 |
| | 3 | 10 | 1.53 | 1.04 | 0.33 | 10 | 1.63 | 0.93 | 0.29 | 10 | 1.45 | 0.79 | 0.25 | 0.05 |
| | 4 | 10 | 1.14 | 0.78 | 0.25 | 10 | 0.96 | 0.80 | 0.25 | 10 | 0.70 | 0.69 | 0.22 | 0.13 |
| | 5 | 10 | 0.94 | 0.83 | 0.26 | 10 | 0.43 | 0.43 | 0.14 | 10 | 0.21 | 0.34 | 0.11 | 0.22 |
| | 6 | 10 | 0.62 | 0.73 | 0.23 | 10 | 0.18 | 0.27 | 0.09 | 10 | 0.14 | 0.28 | 0.09 | 0.15 |
| | 7 | 10 | 1.72 | 2.72 | 0.86 | 10 | 0.18 | 0.36 | 0.11 | 10 | 0.18 | 0.35 | 0.11 | 0.51 |
| | 8 | 10 | 0.02 | 0.04 | 0.01 | 10 | 0.00 | 0.00 | 0.00 | 10 | 0.00 | 0.00 | 0.00 | 0.01 |
| | 9 | 10 | 23.99 | 18.32 | 5.79 | 10 | 36.56 | 23.17 | 7.33 | 10 | 49.56 | 38.84 | 12.28 | 7.38 |
| 300-Minute | 1 | 10 | 15.28 | 12.24 | 3.87 | 10 | 10.44 | 9.08 | 2.87 | 10 | 7.55 | 4.98 | 1.57 | 2.26 |
| | 2 | 10 | 3.58 | 1.97 | 0.62 | 10 | 2.11 | 0.64 | 0.20 | 10 | 2.37 | 1.16 | 0.37 | 0.45 |
| | 3 | 10 | 2.10 | 1.51 | 0.48 | 10 | 1.85 | 1.29 | 0.41 | 10 | 1.36 | 0.36 | 0.12 | 0.22 |
| | 4 | 10 | 1.37 | 0.70 | 0.22 | 10 | 2.07 | 1.11 | 0.35 | 10 | 1.13 | 0.56 | 0.18 | 0.28 |
| | 5 | 10 | 2.01 | 1.77 | 0.56 | 10 | 2.85 | 1.70 | 0.54 | 10 | 1.13 | 0.66 | 0.21 | 0.50 |
| | 6 | 10 | 0.98 | 0.70 | 0.22 | 10 | 2.10 | 1.45 | 0.46 | 10 | 0.79 | 0.66 | 0.21 | 0.41 |
| | 7 | 10 | 4.53 | 6.28 | 1.98 | 10 | 7.61 | 5.61 | 1.77 | 10 | 2.02 | 2.21 | 0.70 | 1.62 |
| | 8 | 10 | 0.09 | 0.18 | 0.06 | 10 | 0.09 | 0.08 | 0.03 | 10 | 0.03 | 0.06 | 0.02 | 0.04 |
| | 9 | 10 | 24.34 | 15.00 | 4.74 | 10 | 19.32 | 11.26 | 3.56 | 10 | 13.55 | 5.31 | 1.68 | 3.12 |
| 600-Minute | 1 | 10 | 30.57 | 21.65 | 6.85 | 10 | 16.23 | 11.32 | 3.58 | 10 | 17.40 | 13.78 | 4.36 | 4.60 |
| | 2 | 10 | 5.26 | 1.12 | 0.35 | 10 | 4.98 | 2.54 | 0.80 | 10 | 4.52 | 4.03 | 1.27 | 0.21 |
| | 3 | 10 | 4.58 | 2.43 | 0.77 | 10 | 4.08 | 2.53 | 0.80 | 10 | 3.43 | 3.75 | 1.19 | 0.33 |
| | 4 | 10 | 5.67 | 3.27 | 1.03 | 10 | 4.36 | 2.79 | 0.88 | 10 | 6.83 | 8.53 | 2.70 | 0.71 |
| | 5 | 10 | 5.65 | 4.66 | 1.47 | 10 | 8.29 | 7.31 | 2.31 | 10 | 7.02 | 5.62 | 1.78 | 0.76 |
| | 6 | 10 | 5.09 | 3.42 | 1.08 | 10 | 5.37 | 3.13 | 0.99 | 10 | 4.74 | 4.03 | 1.27 | 0.18 |
| | 7 | 10 | 23.41 | 12.33 | 3.90 | 10 | 19.82 | 13.06 | 4.13 | 10 | 20.21 | 20.65 | 6.53 | 0.18 |
| | 8 | 10 | 0.23 | 0.40 | 0.13 | 10 | 0.36 | 0.53 | 0.17 | 10 | 0.38 | 0.40 | 0.13 | 0.05 |
| | 9 | 10 | 51.73 | 26.58 | 8.41 | 10 | 37.93 | 19.28 | 6.10 | 10 | 39.20 | 29.15 | 9.22 | 4.40 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | |
| Baseline | 1 | 10 | 3.46 | 2.07 | 0.65 | 10 | 3.15 | 1.80 | 0.57 | 10 | 2.19 | 0.88 | 0.28 | 0.38 |
| | 2 | 10 | 1.07 | 0.42 | 0.13 | 10 | 1.13 | 0.64 | 0.20 | 10 | 0.81 | 0.23 | 0.07 | 0.10 |
| | 3 | 10 | 1.55 | 0.66 | 0.21 | 10 | 1.49 | 1.09 | 0.35 | 10 | 1.41 | 0.70 | 0.22 | 0.04 |
| | 4 | 10 | 1.49 | 0.98 | 0.31 | 10 | 1.56 | 1.08 | 0.34 | 10 | 1.11 | 0.37 | 0.12 | 0.14 |
| | 5 | 10 | 2.39 | 0.71 | 0.22 | 10 | 1.40 | 0.35 | 0.11 | 10 | 1.40 | 0.30 | 0.10 | 0.33 |
| | 6 | 10 | 0.94 | 0.67 | 0.21 | 10 | 0.93 | 0.50 | 0.16 | 10 | 0.60 | 0.29 | 0.09 | 0.11 |
| | 7 | 10 | 2.67 | 2.82 | 0.89 | 10 | 1.38 | 1.12 | 0.35 | 10 | 1.19 | 0.25 | 0.08 | 0.46 |
| | 8 | 10 | 0.03 | 0.04 | 0.01 | 10 | 0.01 | 0.02 | 0.01 | 10 | 0.00 | 0.00 | 0.00 | 0.01 |
| | 9 | 10 | 9.95 | 1.99 | 0.63 | 10 | 8.74 | 2.69 | 0.85 | 10 | 6.91 | 1.61 | 0.51 | 0.88 |
| 30-Minute | 1 | 10 | 6.92 | 6.04 | 1.91 | 10 | 8.66 | 4.43 | 1.40 | 10 | 10.13 | 6.89 | 2.18 | 0.93 |
| | 2 | 10 | 1.64 | 0.90 | 0.28 | 10 | 1.91 | 0.94 | 0.30 | 10 | 2.56 | 1.28 | 0.41 | 0.27 |
| | 3 | 10 | 1.04 | 0.64 | 0.20 | 10 | 1.12 | 0.43 | 0.14 | 10 | 1.18 | 0.65 | 0.20 | 0.04 |
| | 4 | 10 | 1.05 | 0.64 | 0.20 | 10 | 0.62 | 0.33 | 0.11 | 10 | 0.72 | 0.42 | 0.13 | 0.13 |
| | 5 | 10 | 0.72 | 0.49 | 0.16 | 10 | 0.30 | 0.30 | 0.09 | 10 | 0.40 | 0.28 | 0.09 | 0.13 |
| | 6 | 10 | 0.42 | 0.34 | 0.11 | 10 | 0.14 | 0.16 | 0.05 | 10 | 0.19 | 0.15 | 0.05 | 0.09 |
| | 7 | 10 | 0.97 | 1.22 | 0.39 | 10 | 0.06 | 0.09 | 0.03 | 10 | 0.28 | 0.27 | 0.09 | 0.27 |
| | 8 | 10 | 0.02 | 0.04 | 0.01 | 10 | 0.00 | 0.00 | 0.00 | 10 | 0.00 | 0.00 | 0.00 | 0.01 |
| | 9 | 10 | 11.37 | 6.31 | 1.99 | 10 | 12.61 | 5.11 | 1.62 | 10 | 15.00 | 7.53 | 2.38 | 1.06 |
| 300-Minute | 1 | 10 | 5.96 | 2.70 | 0.85 | 10 | 5.85 | 6.25 | 1.98 | 10 | 3.88 | 1.52 | 0.48 | 0.67 |
| | 2 | 10 | 1.72 | 0.58 | 0.18 | 10 | 1.47 | 0.91 | 0.29 | 10 | 1.71 | 0.61 | 0.19 | 0.08 |
| | 3 | 10 | 1.13 | 0.57 | 0.18 | 10 | 1.11 | 0.97 | 0.31 | 10 | 0.78 | 0.32 | 0.10 | 0.11 |
| | 4 | 10 | 0.95 | 0.33 | 0.11 | 10 | 0.88 | 1.03 | 0.33 | 10 | 0.59 | 0.25 | 0.08 | 0.11 |
| | 5 | 10 | 0.98 | 0.50 | 0.16 | 10 | 1.40 | 1.65 | 0.52 | 10 | 0.49 | 0.27 | 0.09 | 0.26 |
| | 6 | 10 | 0.69 | 0.41 | 0.13 | 10 | 0.61 | 0.59 | 0.19 | 10 | 0.27 | 0.16 | 0.05 | 0.13 |
| | 7 | 10 | 1.79 | 1.64 | 0.52 | 10 | 2.44 | 3.66 | 1.16 | 10 | 0.53 | 0.47 | 0.15 | 0.56 |
| | 8 | 10 | 0.00 | 0.00 | 0.00 | 10 | 0.03 | 0.10 | 0.03 | 10 | 0.01 | 0.02 | 0.01 | 0.01 |
| | 9 | 10 | 10.74 | 3.45 | 1.09 | 10 | 10.70 | 7.14 | 2.26 | 10 | 7.46 | 1.69 | 0.53 | 1.09 |
| 600-Minute | 1 | 10 | 20.74 | 16.82 | 5.32 | 10 | 11.69 | 10.91 | 3.45 | 10 | 13.06 | 11.24 | 3.55 | 2.82 |
| | 2 | 10 | 2.25 | 1.87 | 0.59 | 10 | 4.65 | 5.22 | 1.65 | 10 | 2.73 | 2.19 | 0.69 | 0.73 |
| | 3 | 10 | 2.13 | 1.87 | 0.59 | 10 | 3.65 | 2.08 | 0.66 | 10 | 2.27 | 1.41 | 0.44 | 0.48 |
| | 4 | 10 | 1.30 | 1.65 | 0.52 | 10 | 2.92 | 1.92 | 0.61 | 10 | 2.25 | 1.84 | 0.58 | 0.47 |
| | 5 | 10 | 1.73 | 1.29 | 0.41 | 10 | 3.58 | 1.64 | 0.52 | 10 | 2.88 | 2.12 | 0.67 | 0.54 |
| | 6 | 10 | 1.61 | 1.63 | 0.51 | 10 | 2.20 | 1.57 | 0.50 | 10 | 1.70 | 1.95 | 0.62 | 0.18 |
| | 7 | 10 | 5.29 | 6.57 | 2.08 | 10 | 10.07 | 7.46 | 2.36 | 10 | 6.97 | 7.93 | 2.51 | 0.45 |
| | 8 | 10 | 0.06 | 0.10 | 0.03 | 10 | 0.14 | 0.15 | 0.05 | 10 | 0.12 | 0.18 | 0.06 | 0.02 |
| | 9 | 10 | 28.16 | 12.87 | 4.07 | 10 | 26.48 | 19.35 | 6.12 | 10 | 23.20 | 13.92 | 4.40 | 1.46 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. |
|------------|------------|--------------|-------|-------|---------------|-------|------|---------------|-------|------|------------|-------|------|
| | | N | Mean | Std. | N | Mean | Std. | N | Mean | Std. | N | Mean | Std. |
| Baseline | 1 | 9 | 2.33 | 0.56 | 8 | 2.31 | 0.70 | 8 | 2.69 | 0.65 | 3 | 2.44 | 0.21 |
| | 2 | 9 | 6.33 | 0.66 | 9 | 6.06 | 1.24 | 9 | 5.44 | 0.81 | 3 | 5.94 | 0.45 |
| | 3 | 10 | 10.80 | 1.30 | 10 | 10.65 | 1.36 | 10 | 10.80 | 0.98 | 3 | 10.75 | 0.09 |
| | 4 | 10 | 15.35 | 1.55 | 9 | 15.89 | 1.36 | 9 | 15.78 | 1.52 | 3 | 15.67 | 0.28 |
| | 5 | 10 | 22.30 | 1.65 | 10 | 21.85 | 1.67 | 10 | 21.45 | 2.05 | 3 | 21.87 | 0.43 |
| | 9 | 10 | 11.40 | 10.05 | 10 | 4.75 | 6.69 | 10 | 11.70 | 9.98 | 3 | 9.28 | 3.93 |
| 30-Minute | 1 | 9 | 2.06 | 0.68 | 8 | 1.87 | 0.58 | 8 | 2.57 | 0.89 | 3 | 2.17 | 0.36 |
| | 2 | 10 | 5.75 | 0.98 | 7 | 5.50 | 1.04 | 7 | 5.69 | 0.92 | 3 | 5.65 | 0.13 |
| | 3 | 8 | 10.75 | 1.13 | 9 | 10.94 | 1.53 | 9 | 10.94 | 1.67 | 3 | 10.88 | 0.11 |
| | 4 | 10 | 15.35 | 1.23 | 9 | 15.89 | 1.02 | 7 | 15.50 | 1.00 | 3 | 15.58 | 0.28 |
| | 5 | 9 | 22.28 | 1.99 | 8 | 20.75 | 1.71 | 9 | 21.61 | 1.62 | 3 | 21.55 | 0.77 |
| | 9 | 10 | 2.55 | 1.69 | 10 | 2.65 | 1.51 | 10 | 5.20 | 4.82 | 3 | 3.47 | 1.50 |
| 300-Minute | 1 | 8 | 2.31 | 0.84 | 9 | 2.72 | 0.79 | 10 | 2.00 | 0.62 | 3 | 2.34 | 0.36 |
| | 2 | 9 | 5.94 | 0.81 | 9 | 6.00 | 0.94 | 10 | 5.80 | 0.82 | 3 | 5.91 | 0.10 |
| | 3 | 7 | 11.21 | 1.35 | 9 | 10.33 | 1.30 | 7 | 10.36 | 1.38 | 3 | 10.63 | 0.50 |
| | 4 | 9 | 14.89 | 1.11 | 9 | 15.94 | 1.29 | 7 | 15.43 | 1.27 | 3 | 15.42 | 0.53 |
| | 5 | 10 | 21.65 | 1.96 | 10 | 21.80 | 1.87 | 8 | 21.00 | 2.15 | 3 | 21.48 | 0.43 |
| | 9 | 10 | 2.85 | 1.36 | 10 | 3.15 | 1.55 | 10 | 2.00 | 0.62 | 3 | 2.67 | 0.60 |
| 600-Minute | 1 | 8 | 2.56 | 0.73 | 7 | 2.36 | 0.75 | 7 | 2.43 | 0.93 | 3 | 2.45 | 0.10 |
| | 2 | 10 | 5.95 | 1.14 | 7 | 5.21 | 0.76 | 8 | 5.69 | 0.53 | 3 | 5.62 | 0.37 |
| | 3 | 9 | 11.61 | 1.14 | 9 | 11.44 | 0.77 | 10 | 10.90 | 0.97 | 3 | 11.32 | 0.37 |
| | 4 | 10 | 15.80 | 1.11 | 10 | 15.90 | 1.02 | 10 | 16.10 | 1.24 | 3 | 15.93 | 0.15 |
| | 5 | 10 | 22.00 | 2.00 | 10 | 22.10 | 1.90 | 10 | 22.50 | 1.18 | 3 | 22.20 | 0.26 |
| | 9 | 10 | 6.65 | 5.97 | 10 | 3.65 | 2.80 | 10 | 5.15 | 5.31 | 3 | 5.15 | 1.50 |

PARAMETER = Peak Frequency
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | | |
|------------|------------|--------------|-------|-------|---------------|------|-------|---------------|------|------|------------|-------|------|------|-------|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | | |
| Baseline | 1 | 7 | 2.07 | 0.53 | 0.20 | 8 | 2.25 | 0.65 | 0.23 | 8 | 2.44 | 0.62 | 0.22 | 3 | 2.25 | 0.18 | 0.11 | |
| | 2 | 8 | 6.50 | 0.93 | 0.33 | 10 | 6.30 | 1.01 | 0.32 | 8 | 5.44 | 1.15 | 0.41 | 3 | 6.08 | 0.56 | 0.33 | |
| | 3 | 10 | 10.60 | 1.39 | 0.44 | 9 | 10.56 | 1.47 | 0.49 | 10 | 10.95 | 1.04 | 0.33 | 3 | 10.70 | 0.22 | 0.12 | |
| | 4 | 9 | 16.00 | 1.03 | 0.34 | 10 | 15.65 | 1.11 | 0.35 | 10 | 14.80 | 1.03 | 0.33 | 3 | 15.48 | 0.62 | 0.36 | |
| | 5 | 10 | 22.15 | 2.04 | 0.65 | 10 | 21.85 | 2.04 | 0.65 | 10 | 21.20 | 1.75 | 0.55 | 3 | 21.73 | 0.49 | 0.28 | |
| | 9 | 10 | 9.20 | 7.73 | 2.45 | 10 | 5.50 | 6.60 | 2.09 | 10 | 7.50 | 7.06 | 2.23 | 3 | 7.40 | 1.85 | 1.07 | |
| | 30-Minute | 1 | 7 | 2.07 | 0.45 | 0.17 | 8 | 1.87 | 0.52 | 0.18 | 9 | 2.28 | 0.67 | 0.22 | 3 | 2.07 | 0.20 | 0.12 |
| | | 2 | 9 | 5.83 | 0.79 | 0.26 | 8 | 5.62 | 1.19 | 0.42 | 8 | 5.87 | 1.03 | 0.36 | 3 | 5.78 | 0.13 | 0.08 |
| | | 3 | 8 | 10.81 | 1.41 | 0.50 | 7 | 11.07 | 1.21 | 0.46 | 10 | 11.05 | 1.55 | 0.49 | 3 | 10.98 | 0.14 | 0.08 |
| | | 4 | 9 | 16.00 | 1.09 | 0.36 | 9 | 15.22 | 0.97 | 0.32 | 6 | 16.08 | 1.07 | 0.44 | 3 | 15.77 | 0.47 | 0.27 |
| 5 | | 10 | 21.90 | 1.51 | 0.48 | 8 | 22.00 | 1.87 | 0.66 | 7 | 22.43 | 1.72 | 0.65 | 3 | 22.11 | 0.28 | 0.16 | |
| | 9 | 10 | 3.15 | 1.63 | 0.52 | 10 | 2.55 | 1.54 | 0.49 | 10 | 2.45 | 0.83 | 0.26 | 3 | 2.72 | 0.38 | 0.22 | |
| | 300-Minute | 1 | 6 | 2.08 | 0.58 | 0.24 | 10 | 2.10 | 0.66 | 0.21 | 8 | 2.12 | 0.58 | 0.21 | 3 | 2.10 | 0.02 | 0.01 |
| | | 2 | 9 | 6.28 | 0.75 | 0.25 | 9 | 5.78 | 0.97 | 0.32 | 8 | 6.31 | 0.59 | 0.21 | 3 | 6.12 | 0.30 | 0.17 |
| | | 3 | 10 | 10.05 | 1.19 | 0.38 | 10 | 10.35 | 1.20 | 0.38 | 9 | 10.78 | 1.50 | 0.50 | 3 | 10.39 | 0.37 | 0.21 |
| | | 4 | 10 | 15.55 | 1.04 | 0.33 | 10 | 15.65 | 1.13 | 0.36 | 7 | 16.43 | 0.67 | 0.25 | 3 | 15.88 | 0.48 | 0.28 |
| 5 | | 10 | 21.40 | 1.73 | 0.55 | 10 | 22.55 | 1.91 | 0.60 | 10 | 21.85 | 1.83 | 0.58 | 3 | 21.93 | 0.58 | 0.33 | |
| | 9 | 10 | 6.65 | 7.39 | 2.34 | 10 | 2.10 | 0.66 | 0.21 | 10 | 3.55 | 3.41 | 1.08 | 3 | 4.10 | 2.32 | 1.34 | |
| | 600-Minute | 1 | 2 | 3.25 | 0.35 | 0.25 | 7 | 2.14 | 0.69 | 0.26 | 9 | 2.56 | 0.81 | 0.27 | 3 | 2.65 | 0.56 | 0.32 |
| | | 2 | 7 | 6.79 | 1.15 | 0.43 | 9 | 5.89 | 1.19 | 0.40 | 9 | 6.06 | 1.04 | 0.35 | 3 | 6.24 | 0.48 | 0.28 |
| | | 3 | 8 | 10.81 | 1.16 | 0.41 | 9 | 10.78 | 0.91 | 0.30 | 10 | 11.10 | 1.22 | 0.39 | 3 | 10.90 | 0.18 | 0.10 |
| | | 4 | 8 | 15.69 | 1.00 | 0.35 | 10 | 15.80 | 1.32 | 0.42 | 8 | 16.69 | 1.00 | 0.35 | 3 | 16.06 | 0.55 | 0.32 |
| 5 | | 10 | 21.85 | 2.14 | 0.68 | 10 | 21.45 | 2.23 | 0.70 | 10 | 22.65 | 1.36 | 0.43 | 3 | 21.98 | 0.61 | 0.35 | |
| | 9 | 10 | 13.25 | 7.74 | 2.45 | 10 | 8.25 | 8.48 | 2.68 | 10 | 5.20 | 6.79 | 2.15 | 3 | 8.90 | 4.06 | 2.35 | |

PARAMETER = Peak Frequency
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 6 | 2.50 | 0.45 | 0.18 | 7 | 2.71 | 0.70 | 0.26 | 6 | 2.83 | 0.68 | 0.28 | 3 | 2.68 | 0.17 | 0.10 |
| | 2 | 9 | 6.39 | 0.82 | 0.27 | 7 | 5.71 | 0.99 | 0.38 | 7 | 6.36 | 0.94 | 0.36 | 3 | 6.15 | 0.38 | 0.22 |
| | 3 | 9 | 11.06 | 0.77 | 0.26 | 9 | 11.06 | 1.29 | 0.43 | 9 | 10.94 | 1.38 | 0.46 | 3 | 11.02 | 0.06 | 0.04 |
| | 4 | 7 | 15.29 | 1.32 | 0.50 | 8 | 16.12 | 1.36 | 0.48 | 8 | 14.38 | 1.36 | 0.48 | 3 | 15.26 | 0.88 | 0.51 |
| | 5 | 10 | 22.20 | 1.64 | 0.52 | 10 | 22.40 | 1.65 | 0.52 | 9 | 21.06 | 1.84 | 0.61 | 3 | 21.89 | 0.73 | 0.42 |
| | 9 | 10 | 18.65 | 6.21 | 1.96 | 10 | 12.20 | 8.16 | 2.58 | 10 | 8.20 | 6.02 | 1.90 | 3 | 13.02 | 5.27 | 3.04 |
| 30-Minute | 1 | 6 | 2.42 | 0.74 | 0.30 | 8 | 2.44 | 0.86 | 0.31 | 6 | 2.17 | 0.52 | 0.21 | 3 | 2.34 | 0.15 | 0.09 |
| | 2 | 9 | 6.44 | 1.13 | 0.38 | 9 | 6.28 | 1.18 | 0.39 | 9 | 5.78 | 1.00 | 0.33 | 3 | 6.17 | 0.35 | 0.20 |
| | 3 | 9 | 10.39 | 1.24 | 0.41 | 7 | 9.93 | 0.93 | 0.35 | 7 | 9.50 | 1.38 | 0.52 | 3 | 9.94 | 0.44 | 0.26 |
| | 4 | 9 | 15.33 | 1.50 | 0.50 | 7 | 15.79 | 1.35 | 0.51 | 5 | 16.00 | 1.17 | 0.52 | 3 | 15.71 | 0.34 | 0.20 |
| | 5 | 9 | 22.06 | 1.89 | 0.63 | 7 | 21.57 | 1.69 | 0.64 | 8 | 21.87 | 1.55 | 0.55 | 3 | 21.83 | 0.24 | 0.14 |
| | 9 | 10 | 5.75 | 5.64 | 1.78 | 10 | 4.05 | 3.76 | 1.19 | 10 | 4.80 | 4.96 | 1.57 | 3 | 4.87 | 0.85 | 0.49 |
| 300-Minute | 1 | 6 | 2.92 | 0.58 | 0.24 | 6 | 2.50 | 0.71 | 0.29 | 6 | 2.42 | 0.66 | 0.27 | 3 | 2.61 | 0.27 | 0.15 |
| | 2 | 7 | 6.07 | 1.06 | 0.40 | 8 | 6.25 | 1.00 | 0.35 | 8 | 5.94 | 1.32 | 0.47 | 3 | 6.09 | 0.16 | 0.09 |
| | 3 | 9 | 11.17 | 0.90 | 0.30 | 9 | 10.56 | 1.16 | 0.39 | 8 | 11.13 | 1.06 | 0.38 | 3 | 10.95 | 0.34 | 0.20 |
| | 4 | 9 | 15.28 | 1.09 | 0.36 | 9 | 16.00 | 1.39 | 0.46 | 9 | 15.22 | 1.28 | 0.43 | 3 | 15.50 | 0.43 | 0.25 |
| | 5 | 9 | 21.33 | 1.66 | 0.55 | 10 | 22.10 | 1.85 | 0.59 | 8 | 22.25 | 1.56 | 0.55 | 3 | 21.89 | 0.49 | 0.28 |
| | 9 | 10 | 3.70 | 1.21 | 0.38 | 10 | 9.55 | 8.99 | 2.84 | 10 | 4.60 | 2.63 | 0.83 | 3 | 5.95 | 3.15 | 1.82 |
| 600-Minute | 1 | 4 | 2.87 | 0.75 | 0.38 | 7 | 2.07 | 0.45 | 0.17 | 4 | 2.62 | 0.48 | 0.24 | 3 | 2.52 | 0.41 | 0.24 |
| | 2 | 7 | 6.57 | 0.93 | 0.35 | 7 | 6.07 | 0.84 | 0.32 | 6 | 6.42 | 0.66 | 0.27 | 3 | 6.35 | 0.26 | 0.15 |
| | 3 | 7 | 10.71 | 1.29 | 0.49 | 10 | 10.90 | 1.07 | 0.34 | 8 | 9.81 | 0.88 | 0.31 | 3 | 10.48 | 0.58 | 0.34 |
| | 4 | 4 | 15.38 | 1.70 | 0.85 | 10 | 15.55 | 0.69 | 0.22 | 6 | 15.58 | 1.53 | 0.62 | 3 | 15.50 | 0.11 | 0.06 |
| | 5 | 5 | 21.70 | 2.17 | 0.97 | 10 | 21.75 | 2.04 | 0.65 | 8 | 23.00 | 0.89 | 0.31 | 3 | 22.15 | 0.74 | 0.43 |
| | 9 | 9 | 10.11 | 7.69 | 2.56 | 10 | 5.80 | 5.74 | 1.81 | 10 | 11.20 | 8.86 | 2.80 | 3 | 9.04 | 2.86 | 1.65 |

PARAMETER = Mean Frequency
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | | | | |
| Baseline | 1 | 10 | 2.10 | 0.22 | 0.07 | 10 | 1.98 | 0.27 | 0.08 | 10 | 2.03 | 0.23 | 0.07 | 3 | 2.04 | 0.06 | 0.03 |
| | 2 | 10 | 5.46 | 0.37 | 0.12 | 10 | 5.56 | 0.32 | 0.10 | 10 | 5.39 | 0.30 | 0.10 | 3 | 5.47 | 0.09 | 0.05 |
| | 3 | 10 | 10.26 | 0.46 | 0.14 | 10 | 10.10 | 0.51 | 0.16 | 10 | 10.51 | 0.35 | 0.11 | 3 | 10.29 | 0.21 | 0.12 |
| | 4 | 10 | 15.28 | 0.52 | 0.16 | 10 | 15.24 | 0.39 | 0.12 | 10 | 15.06 | 0.42 | 0.13 | 3 | 15.19 | 0.12 | 0.07 |
| | 5 | 10 | 21.32 | 0.29 | 0.09 | 10 | 21.26 | 0.73 | 0.23 | 10 | 21.24 | 0.28 | 0.09 | 3 | 21.27 | 0.04 | 0.02 |
| 30-Minute | 9 | 10 | 11.12 | 2.33 | 0.74 | 10 | 8.44 | 1.62 | 0.51 | 10 | 10.52 | 1.66 | 0.53 | 3 | 10.03 | 1.41 | 0.81 |
| | 1 | 10 | 1.92 | 0.24 | 0.08 | 10 | 1.88 | 0.14 | 0.04 | 10 | 2.01 | 0.26 | 0.08 | 3 | 1.94 | 0.07 | 0.04 |
| | 2 | 10 | 5.42 | 0.17 | 0.05 | 10 | 5.16 | 0.22 | 0.07 | 10 | 5.37 | 0.23 | 0.07 | 3 | 5.32 | 0.14 | 0.08 |
| | 3 | 10 | 10.02 | 0.40 | 0.13 | 10 | 10.16 | 0.48 | 0.15 | 10 | 10.15 | 0.50 | 0.16 | 3 | 10.11 | 0.08 | 0.04 |
| | 4 | 10 | 15.03 | 0.50 | 0.16 | 10 | 14.93 | 0.30 | 0.09 | 10 | 15.02 | 0.54 | 0.17 | 3 | 14.99 | 0.05 | 0.03 |
| 300-Minute | 5 | 10 | 20.82 | 0.47 | 0.15 | 10 | 21.04 | 1.71 | 0.54 | 9 | 20.86 | 0.52 | 0.17 | 3 | 20.91 | 0.11 | 0.07 |
| | 9 | 10 | 6.19 | 2.06 | 0.65 | 10 | 4.46 | 0.95 | 0.30 | 10 | 4.76 | 1.53 | 0.48 | 3 | 5.14 | 0.93 | 0.53 |
| | 1 | 10 | 1.93 | 0.25 | 0.08 | 10 | 2.07 | 0.28 | 0.09 | 10 | 1.96 | 0.21 | 0.07 | 3 | 1.99 | 0.07 | 0.04 |
| | 2 | 10 | 5.46 | 0.42 | 0.13 | 10 | 5.30 | 0.40 | 0.13 | 10 | 5.41 | 0.43 | 0.13 | 3 | 5.39 | 0.08 | 0.05 |
| | 3 | 10 | 10.14 | 0.47 | 0.15 | 10 | 10.06 | 0.38 | 0.12 | 10 | 10.11 | 0.52 | 0.17 | 3 | 10.10 | 0.04 | 0.02 |
| 600-Minute | 4 | 10 | 15.25 | 0.31 | 0.10 | 10 | 15.41 | 0.36 | 0.11 | 10 | 14.85 | 0.83 | 0.26 | 3 | 15.17 | 0.29 | 0.17 |
| | 5 | 10 | 21.38 | 0.45 | 0.14 | 10 | 21.27 | 0.38 | 0.12 | 10 | 21.28 | 0.59 | 0.19 | 3 | 21.31 | 0.06 | 0.04 |
| | 9 | 10 | 6.64 | 0.79 | 0.25 | 10 | 7.32 | 1.50 | 0.47 | 10 | 5.07 | 1.32 | 0.42 | 3 | 6.34 | 1.16 | 0.67 |
| | 1 | 10 | 1.70 | 0.33 | 0.10 | 10 | 1.76 | 0.32 | 0.10 | 10 | 1.84 | 0.38 | 0.12 | 3 | 1.77 | 0.07 | 0.04 |
| | 2 | 10 | 5.55 | 0.42 | 0.13 | 10 | 5.60 | 0.37 | 0.12 | 10 | 5.62 | 0.52 | 0.16 | 3 | 5.59 | 0.04 | 0.02 |
| | 3 | 10 | 10.28 | 0.20 | 0.06 | 10 | 10.22 | 0.26 | 0.08 | 10 | 10.20 | 0.39 | 0.12 | 3 | 10.23 | 0.04 | 0.02 |
| | 4 | 10 | 15.12 | 0.47 | 0.15 | 10 | 15.32 | 0.39 | 0.12 | 10 | 15.42 | 0.55 | 0.17 | 3 | 15.29 | 0.15 | 0.09 |
| | 5 | 10 | 21.09 | 0.42 | 0.13 | 10 | 21.24 | 0.62 | 0.20 | 10 | 21.64 | 0.48 | 0.15 | 3 | 21.32 | 0.28 | 0.16 |
| | 9 | 10 | 6.77 | 1.25 | 0.39 | 10 | 8.62 | 0.92 | 0.29 | 10 | 8.20 | 2.13 | 0.67 | 3 | 7.86 | 0.97 | 0.56 |

PARAMETER = Mean Frequency
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 1.81 | 0.35 | 0.11 | 10 | 1.79 | 0.46 | 0.15 | 10 | 1.78 | 0.18 | 0.06 | 3 | 1.79 | 0.02 | 0.01 |
| | 2 | 10 | 5.66 | 0.20 | 0.06 | 10 | 5.47 | 0.50 | 0.16 | 10 | 5.69 | 0.30 | 0.10 | 3 | 5.60 | 0.12 | 0.07 |
| | 3 | 10 | 10.71 | 0.28 | 0.09 | 10 | 10.56 | 0.63 | 0.20 | 10 | 10.28 | 0.52 | 0.16 | 3 | 10.52 | 0.22 | 0.12 |
| | 4 | 10 | 15.07 | 0.71 | 0.23 | 10 | 15.19 | 0.89 | 0.28 | 10 | 14.91 | 0.32 | 0.10 | 3 | 15.06 | 0.14 | 0.08 |
| | 5 | 10 | 21.12 | 0.38 | 0.12 | 10 | 21.38 | 0.57 | 0.18 | 10 | 20.96 | 0.63 | 0.20 | 3 | 21.15 | 0.21 | 0.12 |
| 30-Minute | 9 | 10 | 10.41 | 2.39 | 0.76 | 10 | 9.14 | 2.06 | 0.65 | 10 | 10.01 | 1.05 | 0.33 | 3 | 9.85 | 0.65 | 0.38 |
| | 1 | 10 | 1.75 | 0.29 | 0.09 | 10 | 1.87 | 0.23 | 0.07 | 10 | 1.91 | 0.31 | 0.10 | 3 | 1.84 | 0.08 | 0.05 |
| | 2 | 10 | 5.70 | 0.64 | 0.20 | 10 | 5.50 | 0.34 | 0.11 | 10 | 5.52 | 0.40 | 0.13 | 3 | 5.57 | 0.11 | 0.06 |
| | 3 | 10 | 9.84 | 0.65 | 0.21 | 10 | 10.22 | 0.54 | 0.17 | 10 | 9.99 | 0.46 | 0.15 | 3 | 10.02 | 0.19 | 0.11 |
| | 4 | 9 | 15.44 | 0.76 | 0.25 | 10 | 14.75 | 0.63 | 0.20 | 9 | 14.98 | 0.62 | 0.21 | 3 | 15.06 | 0.35 | 0.20 |
| 300-Minute | 5 | 9 | 20.59 | 0.71 | 0.24 | 8 | 19.74 | 1.05 | 0.37 | 9 | 21.14 | 1.39 | 0.46 | 3 | 20.49 | 0.71 | 0.41 |
| | 9 | 10 | 6.24 | 2.38 | 0.75 | 10 | 4.50 | 1.42 | 0.45 | 10 | 4.68 | 1.24 | 0.39 | 3 | 5.14 | 0.95 | 0.55 |
| | 1 | 10 | 2.04 | 0.37 | 0.12 | 10 | 1.78 | 0.30 | 0.09 | 10 | 1.82 | 0.24 | 0.08 | 3 | 1.88 | 0.14 | 0.08 |
| | 2 | 10 | 5.37 | 0.38 | 0.12 | 10 | 5.56 | 0.48 | 0.15 | 10 | 5.46 | 0.39 | 0.12 | 3 | 5.46 | 0.09 | 0.05 |
| | 3 | 10 | 10.35 | 0.32 | 0.10 | 10 | 9.99 | 0.75 | 0.24 | 10 | 10.07 | 0.33 | 0.11 | 3 | 10.14 | 0.19 | 0.11 |
| 600-Minute | 4 | 10 | 15.07 | 0.66 | 0.21 | 9 | 15.59 | 0.82 | 0.27 | 10 | 14.95 | 0.44 | 0.14 | 3 | 15.20 | 0.34 | 0.20 |
| | 5 | 10 | 20.85 | 0.45 | 0.14 | 10 | 21.39 | 0.87 | 0.27 | 10 | 21.27 | 1.14 | 0.36 | 3 | 21.17 | 0.28 | 0.16 |
| | 9 | 10 | 6.56 | 1.58 | 0.50 | 10 | 7.19 | 2.93 | 0.93 | 10 | 5.99 | 1.50 | 0.47 | 3 | 6.58 | 0.60 | 0.35 |
| | 1 | 10 | 1.70 | 0.46 | 0.15 | 10 | 1.82 | 0.20 | 0.06 | 10 | 1.66 | 0.30 | 0.09 | 3 | 1.73 | 0.09 | 0.05 |
| | 2 | 9 | 5.71 | 0.96 | 0.32 | 10 | 5.50 | 0.37 | 0.12 | 10 | 5.60 | 0.77 | 0.24 | 3 | 5.60 | 0.10 | 0.06 |
| 600-Minute | 3 | 8 | 10.12 | 0.57 | 0.20 | 10 | 10.24 | 0.44 | 0.14 | 9 | 9.89 | 0.34 | 0.11 | 3 | 10.08 | 0.18 | 0.10 |
| | 4 | 5 | 14.72 | 0.64 | 0.28 | 10 | 15.20 | 0.43 | 0.13 | 8 | 15.26 | 0.52 | 0.18 | 3 | 15.06 | 0.30 | 0.17 |
| | 5 | 8 | 20.10 | 1.57 | 0.56 | 10 | 20.87 | 0.51 | 0.16 | 8 | 21.41 | 0.20 | 0.07 | 3 | 20.79 | 0.65 | 0.38 |
| | 9 | 10 | 5.13 | 3.27 | 1.03 | 10 | 8.25 | 1.78 | 0.56 | 10 | 6.81 | 3.15 | 1.00 | 3 | 6.73 | 1.56 | 0.90 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | | | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | | | | |
| Baseline | 1 | 10 | 29.62 | 15.90 | 5.03 | 10 | 35.79 | 7.60 | 2.40 | 10 | 33.88 | 12.17 | 3.85 | 3 | 33.10 | 3.16 | 1.82 |
| | 2 | 10 | 12.36 | 4.51 | 1.43 | 10 | 22.37 | 6.14 | 1.94 | 10 | 12.98 | 3.35 | 1.06 | 3 | 15.91 | 5.61 | 3.24 |
| | 3 | 10 | 14.06 | 5.37 | 1.70 | 10 | 13.20 | 4.83 | 1.53 | 10 | 14.13 | 2.59 | 0.82 | 3 | 13.80 | 0.52 | 0.30 |
| | 4 | 10 | 17.33 | 7.31 | 2.31 | 10 | 11.95 | 5.15 | 1.63 | 10 | 14.58 | 7.91 | 2.50 | 3 | 14.62 | 2.69 | 1.55 |
| | 5 | 10 | 26.62 | 8.88 | 2.81 | 10 | 16.68 | 6.41 | 2.03 | 10 | 24.42 | 5.86 | 1.85 | 3 | 22.58 | 5.22 | 3.01 |
| 30-Minute | 1 | 10 | 57.57 | 14.05 | 4.44 | 10 | 65.94 | 14.07 | 4.45 | 10 | 63.02 | 15.78 | 4.99 | 3 | 62.18 | 4.25 | 2.45 |
| | 2 | 10 | 19.39 | 7.35 | 2.33 | 10 | 20.24 | 12.47 | 3.94 | 10 | 16.22 | 8.27 | 2.62 | 3 | 18.61 | 2.12 | 1.22 |
| | 3 | 10 | 9.01 | 3.97 | 1.26 | 10 | 6.41 | 2.20 | 0.69 | 10 | 9.29 | 4.32 | 1.37 | 3 | 8.24 | 1.59 | 0.92 |
| | 4 | 10 | 6.72 | 3.30 | 1.04 | 10 | 4.32 | 1.61 | 0.51 | 10 | 6.62 | 4.18 | 1.32 | 3 | 5.88 | 1.36 | 0.78 |
| | 5 | 10 | 7.31 | 4.29 | 1.36 | 10 | 3.09 | 1.58 | 0.50 | 10 | 4.86 | 3.05 | 0.96 | 3 | 5.09 | 2.12 | 1.22 |
| 300-Minute | 1 | 10 | 54.85 | 13.40 | 4.24 | 10 | 49.81 | 16.79 | 5.31 | 10 | 63.84 | 16.21 | 5.13 | 3 | 56.16 | 7.11 | 4.10 |
| | 2 | 10 | 15.13 | 6.32 | 2.00 | 10 | 15.93 | 4.40 | 1.39 | 10 | 17.18 | 6.97 | 2.20 | 3 | 16.08 | 1.04 | 0.60 |
| | 3 | 10 | 10.00 | 4.44 | 1.40 | 10 | 10.42 | 5.33 | 1.68 | 10 | 7.08 | 3.88 | 1.23 | 3 | 9.17 | 1.82 | 1.05 |
| | 4 | 10 | 9.91 | 3.21 | 1.01 | 10 | 10.89 | 5.79 | 1.83 | 10 | 6.29 | 4.27 | 1.35 | 3 | 9.03 | 2.43 | 1.40 |
| | 5 | 10 | 10.11 | 5.37 | 1.70 | 10 | 12.95 | 7.11 | 2.25 | 10 | 5.61 | 4.71 | 1.49 | 3 | 9.56 | 3.70 | 2.14 |
| 600-Minute | 1 | 10 | 39.99 | 12.58 | 3.98 | 10 | 45.36 | 15.95 | 5.04 | 10 | 49.55 | 10.32 | 3.26 | 3 | 44.96 | 4.79 | 2.77 |
| | 2 | 10 | 13.60 | 5.70 | 1.80 | 10 | 14.24 | 6.14 | 1.94 | 10 | 11.30 | 2.78 | 0.88 | 3 | 13.05 | 1.55 | 0.89 |
| | 3 | 10 | 10.89 | 2.81 | 0.89 | 10 | 12.83 | 5.75 | 1.82 | 10 | 9.02 | 4.00 | 1.27 | 3 | 10.92 | 1.91 | 1.10 |
| | 4 | 10 | 15.47 | 9.19 | 2.91 | 10 | 12.48 | 5.19 | 1.64 | 10 | 13.27 | 5.07 | 1.60 | 3 | 13.74 | 1.55 | 0.90 |
| | 5 | 10 | 20.04 | 6.31 | 1.99 | 10 | 15.09 | 5.79 | 1.83 | 10 | 16.87 | 7.34 | 2.32 | 3 | 17.33 | 2.51 | 1.45 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | |
| Baseline | 1 | 10 | 26.52 | 13.59 | 4.30 | 10 | 40.15 | 6.35 | 2.01 | 10 | 32.66 | 12.38 | 3.92 | 33.11 | 6.82 | 3.94 |
| | 2 | 10 | 13.50 | 5.39 | 1.70 | 10 | 19.83 | 7.87 | 2.49 | 10 | 10.87 | 2.55 | 0.81 | 14.73 | 4.61 | 2.66 |
| | 3 | 10 | 17.44 | 6.05 | 1.91 | 10 | 12.33 | 3.10 | 0.98 | 10 | 16.78 | 5.75 | 1.82 | 15.52 | 2.78 | 1.61 |
| | 4 | 10 | 16.96 | 4.50 | 1.42 | 10 | 10.34 | 3.48 | 1.10 | 10 | 14.43 | 4.96 | 1.57 | 13.91 | 3.34 | 1.93 |
| | 5 | 10 | 25.58 | 8.63 | 2.73 | 10 | 17.35 | 8.17 | 2.58 | 10 | 25.25 | 5.32 | 1.68 | 22.73 | 4.66 | 2.69 |
| 30-Minute | 1 | 10 | 54.13 | 19.58 | 6.19 | 10 | 64.48 | 12.44 | 3.93 | 10 | 64.90 | 13.46 | 4.26 | 61.17 | 6.10 | 3.52 |
| | 2 | 10 | 18.32 | 7.73 | 2.44 | 10 | 19.78 | 10.52 | 3.33 | 10 | 17.16 | 7.75 | 2.45 | 18.42 | 1.31 | 0.76 |
| | 3 | 10 | 10.20 | 4.56 | 1.44 | 10 | 6.41 | 2.22 | 0.70 | 10 | 7.67 | 3.08 | 0.97 | 8.09 | 1.93 | 1.11 |
| | 4 | 10 | 8.56 | 5.10 | 1.61 | 10 | 6.00 | 4.14 | 1.31 | 10 | 6.26 | 6.41 | 2.03 | 6.94 | 1.40 | 0.81 |
| | 5 | 10 | 8.79 | 5.04 | 1.59 | 10 | 3.32 | 1.66 | 0.53 | 10 | 4.01 | 2.37 | 0.75 | 5.38 | 2.98 | 1.72 |
| 300-Minute | 1 | 10 | 53.00 | 6.08 | 1.92 | 10 | 50.89 | 9.19 | 2.90 | 10 | 63.61 | 12.15 | 3.84 | 55.83 | 6.82 | 3.94 |
| | 2 | 10 | 17.37 | 7.12 | 2.25 | 10 | 15.73 | 6.14 | 1.94 | 10 | 17.43 | 6.20 | 1.96 | 16.84 | 0.96 | 0.56 |
| | 3 | 10 | 10.16 | 2.24 | 0.71 | 10 | 9.61 | 3.52 | 1.11 | 10 | 7.00 | 2.90 | 0.92 | 8.93 | 1.69 | 0.97 |
| | 4 | 10 | 8.49 | 1.72 | 0.54 | 10 | 9.99 | 4.71 | 1.49 | 10 | 5.98 | 3.59 | 1.13 | 8.15 | 2.03 | 1.17 |
| | 5 | 10 | 10.97 | 4.58 | 1.45 | 10 | 13.78 | 4.20 | 1.33 | 10 | 5.98 | 3.41 | 1.08 | 10.24 | 3.95 | 2.28 |
| 600-Minute | 1 | 10 | 54.83 | 9.88 | 3.13 | 10 | 44.07 | 7.76 | 2.45 | 10 | 46.32 | 16.37 | 5.18 | 48.41 | 5.68 | 3.28 |
| | 2 | 10 | 13.03 | 5.40 | 1.71 | 10 | 12.53 | 4.36 | 1.38 | 10 | 12.83 | 6.82 | 2.16 | 12.80 | 0.25 | 0.15 |
| | 3 | 10 | 9.99 | 3.07 | 0.97 | 10 | 11.16 | 4.61 | 1.46 | 10 | 12.42 | 6.40 | 2.02 | 11.19 | 1.21 | 0.70 |
| | 4 | 10 | 9.31 | 3.92 | 1.24 | 10 | 14.05 | 3.63 | 1.15 | 10 | 11.67 | 4.58 | 1.45 | 11.67 | 2.37 | 1.37 |
| | 5 | 10 | 12.84 | 4.68 | 1.48 | 10 | 18.19 | 4.49 | 1.42 | 10 | 16.76 | 6.45 | 2.04 | 15.93 | 2.77 | 1.60 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|---|-------|-------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 19.38 | 17.78 | 5.62 | 10 | 47.33 | 14.06 | 4.45 | 10 | 50.11 | 11.73 | 3.71 | 3 | 38.94 | 16.99 | 9.81 |
| | 2 | 10 | 10.28 | 3.59 | 1.13 | 10 | 9.79 | 4.76 | 1.51 | 10 | 6.69 | 3.47 | 1.10 | 3 | 8.92 | 1.94 | 1.12 |
| | 3 | 10 | 16.20 | 5.62 | 1.78 | 10 | 11.47 | 4.31 | 1.36 | 10 | 11.16 | 2.73 | 0.86 | 3 | 12.94 | 2.82 | 1.63 |
| | 4 | 10 | 21.52 | 8.02 | 2.54 | 10 | 12.09 | 6.29 | 1.99 | 10 | 11.93 | 3.43 | 1.09 | 3 | 15.18 | 5.49 | 3.17 |
| | 5 | 10 | 32.62 | 10.94 | 3.46 | 10 | 19.32 | 8.87 | 2.80 | 10 | 20.12 | 6.41 | 2.03 | 3 | 24.02 | 7.46 | 4.31 |
| 30-Minute | 1 | 10 | 64.44 | 20.03 | 6.33 | 10 | 76.43 | 11.51 | 3.64 | 10 | 78.82 | 14.71 | 4.65 | 3 | 73.23 | 7.70 | 4.45 |
| | 2 | 10 | 15.38 | 5.09 | 1.61 | 10 | 11.91 | 4.96 | 1.57 | 10 | 12.93 | 8.43 | 2.67 | 3 | 13.41 | 1.79 | 1.03 |
| | 3 | 10 | 7.00 | 4.44 | 1.41 | 10 | 5.93 | 3.17 | 1.00 | 10 | 4.40 | 3.59 | 1.13 | 3 | 5.78 | 1.31 | 0.75 |
| | 4 | 10 | 7.59 | 9.72 | 3.07 | 10 | 3.48 | 2.76 | 0.87 | 10 | 2.85 | 3.59 | 1.14 | 3 | 4.64 | 2.57 | 1.48 |
| | 5 | 10 | 5.59 | 6.03 | 1.91 | 10 | 2.25 | 3.04 | 0.96 | 10 | 0.99 | 1.76 | 0.56 | 3 | 2.94 | 2.37 | 1.37 |
| 300-Minute | 1 | 10 | 58.47 | 12.88 | 4.07 | 10 | 46.11 | 17.44 | 5.51 | 10 | 51.47 | 15.84 | 5.01 | 3 | 52.02 | 6.20 | 3.58 |
| | 2 | 10 | 15.29 | 5.83 | 1.85 | 10 | 13.35 | 5.11 | 1.62 | 10 | 18.26 | 7.13 | 2.26 | 3 | 15.63 | 2.48 | 1.43 |
| | 3 | 10 | 10.52 | 6.97 | 2.20 | 10 | 10.73 | 4.71 | 1.49 | 10 | 11.06 | 3.93 | 1.24 | 3 | 10.77 | 0.27 | 0.16 |
| | 4 | 10 | 6.58 | 3.58 | 1.13 | 10 | 13.05 | 6.23 | 1.97 | 10 | 9.12 | 4.48 | 1.42 | 3 | 9.58 | 3.26 | 1.88 |
| | 5 | 10 | 9.14 | 5.37 | 1.70 | 10 | 16.76 | 7.46 | 2.36 | 10 | 10.09 | 6.27 | 1.98 | 3 | 12.00 | 4.15 | 2.40 |
| 600-Minute | 1 | 10 | 54.80 | 13.20 | 4.17 | 10 | 42.55 | 17.29 | 5.47 | 10 | 49.94 | 25.61 | 8.10 | 3 | 49.10 | 6.17 | 3.56 |
| | 2 | 10 | 12.46 | 6.28 | 1.99 | 10 | 13.88 | 4.58 | 1.45 | 10 | 11.27 | 4.56 | 1.44 | 3 | 12.54 | 1.31 | 0.75 |
| | 3 | 10 | 9.10 | 2.20 | 0.69 | 10 | 11.35 | 5.73 | 1.81 | 10 | 7.59 | 4.59 | 1.45 | 3 | 9.35 | 1.89 | 1.09 |
| | 4 | 10 | 11.33 | 4.63 | 1.47 | 10 | 11.46 | 4.68 | 1.48 | 10 | 13.50 | 11.00 | 3.48 | 3 | 12.09 | 1.22 | 0.70 |
| | 5 | 10 | 12.31 | 7.51 | 2.37 | 10 | 20.76 | 10.35 | 3.27 | 10 | 17.70 | 10.86 | 3.43 | 3 | 16.93 | 4.28 | 2.47 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.4 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | |
| Baseline | 1 | 10 | 33.39 | 15.12 | 4.78 | 10 | 37.67 | 17.34 | 5.48 | 10 | 31.34 | 7.93 | 2.51 | 1.87 |
| | 2 | 10 | 10.48 | 2.39 | 0.76 | 10 | 13.02 | 6.29 | 1.99 | 10 | 11.80 | 2.37 | 0.75 | 0.74 |
| | 3 | 10 | 16.11 | 7.50 | 2.37 | 10 | 15.95 | 8.38 | 2.65 | 10 | 20.30 | 8.22 | 2.60 | 1.42 |
| | 4 | 10 | 15.39 | 9.54 | 3.02 | 10 | 16.48 | 9.81 | 3.10 | 10 | 16.11 | 4.45 | 1.41 | 0.32 |
| | 5 | 10 | 24.64 | 7.13 | 2.25 | 10 | 16.88 | 4.66 | 1.47 | 10 | 20.46 | 2.49 | 0.79 | 2.24 |
| 30-Minute | 1 | 10 | 54.75 | 19.85 | 6.28 | 10 | 66.21 | 12.71 | 4.02 | 10 | 63.11 | 12.70 | 4.02 | 3.42 |
| | 2 | 10 | 15.83 | 8.15 | 2.58 | 10 | 15.57 | 5.38 | 1.70 | 10 | 19.07 | 7.44 | 2.35 | 1.13 |
| | 3 | 10 | 10.25 | 5.48 | 1.73 | 10 | 9.48 | 3.29 | 1.04 | 10 | 8.85 | 4.59 | 1.45 | 0.40 |
| | 4 | 10 | 10.89 | 7.60 | 2.40 | 10 | 5.84 | 3.78 | 1.19 | 10 | 5.55 | 2.96 | 0.94 | 1.73 |
| | 5 | 10 | 8.29 | 5.64 | 1.78 | 10 | 2.89 | 3.20 | 1.01 | 10 | 3.42 | 2.46 | 0.78 | 1.72 |
| 300-Minute | 1 | 10 | 52.92 | 11.49 | 3.63 | 10 | 49.90 | 23.40 | 7.40 | 10 | 50.97 | 11.46 | 3.62 | 0.88 |
| | 2 | 10 | 16.46 | 4.23 | 1.34 | 10 | 15.08 | 6.12 | 1.93 | 10 | 22.96 | 6.56 | 2.07 | 2.43 |
| | 3 | 10 | 11.43 | 6.13 | 1.94 | 10 | 12.16 | 9.30 | 2.94 | 10 | 10.70 | 3.68 | 1.16 | 0.42 |
| | 4 | 10 | 9.47 | 3.19 | 1.01 | 10 | 9.93 | 6.28 | 1.99 | 10 | 8.46 | 4.44 | 1.40 | 0.43 |
| | 5 | 10 | 9.72 | 4.64 | 1.47 | 10 | 12.93 | 7.51 | 2.37 | 10 | 6.90 | 4.13 | 1.31 | 1.74 |
| 600-Minute | 1 | 10 | 65.81 | 28.74 | 9.09 | 10 | 41.17 | 11.84 | 3.74 | 10 | 55.51 | 22.23 | 7.03 | 7.15 |
| | 2 | 10 | 10.46 | 9.42 | 2.98 | 10 | 15.94 | 5.51 | 1.74 | 10 | 11.66 | 6.06 | 1.92 | 1.66 |
| | 3 | 10 | 9.67 | 9.03 | 2.85 | 10 | 15.74 | 7.54 | 2.38 | 10 | 9.93 | 4.89 | 1.55 | 1.98 |
| | 4 | 10 | 6.12 | 7.47 | 2.36 | 10 | 11.37 | 3.00 | 0.95 | 10 | 10.18 | 8.59 | 2.71 | 1.59 |
| | 5 | 10 | 7.93 | 6.24 | 1.97 | 10 | 15.78 | 6.37 | 2.01 | 10 | 12.72 | 8.52 | 2.70 | 2.28 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|--------|-------|---------------|----|--------|---------------|-------|----|------------|--------|-------|---|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 45.10 | 23.26 | 7.35 | 10 | 45.91 | 23.92 | 7.56 | 10 | 32.15 | 13.93 | 4.41 | 3 | 41.05 | 7.72 | 4.46 |
| | 2 | 10 | 25.14 | 10.74 | 3.40 | 10 | 28.60 | 8.78 | 2.78 | 10 | 22.32 | 8.09 | 2.56 | 3 | 25.35 | 3.15 | 1.82 |
| | 3 | 10 | 27.51 | 12.02 | 3.80 | 10 | 27.59 | 9.45 | 2.99 | 10 | 31.79 | 12.12 | 3.83 | 3 | 28.96 | 2.45 | 1.41 |
| | 4 | 10 | 25.54 | 8.90 | 2.81 | 10 | 31.67 | 11.36 | 3.59 | 10 | 28.67 | 13.42 | 4.24 | 3 | 28.63 | 3.07 | 1.77 |
| | 5 | 10 | 42.89 | 14.65 | 4.63 | 10 | 36.92 | 12.82 | 4.05 | 10 | 28.49 | 11.46 | 3.62 | 3 | 36.10 | 7.24 | 4.18 |
| | 6 | 10 | 22.54 | 8.09 | 2.56 | 10 | 26.81 | 15.04 | 4.75 | 10 | 20.34 | 10.59 | 3.35 | 3 | 23.23 | 3.29 | 1.90 |
| | 7 | 10 | 70.81 | 19.24 | 6.08 | 10 | 83.50 | 20.41 | 6.45 | 10 | 57.33 | 15.13 | 4.79 | 3 | 70.54 | 13.09 | 7.56 |
| | 8 | 10 | 0.89 | 0.56 | 0.18 | 10 | 1.19 | 0.48 | 0.15 | 10 | 0.73 | 0.42 | 0.13 | 3 | 0.94 | 0.23 | 0.14 |
| | 9 | 10 | 166.19 | 51.07 | 16.15 | 10 | 170.69 | 39.75 | 12.57 | 10 | 143.40 | 36.95 | 11.69 | 3 | 160.09 | 14.63 | 8.44 |
| 30-Minute | 1 | 10 | 76.25 | 57.75 | 18.26 | 10 | 79.88 | 49.39 | 15.62 | 10 | 90.81 | 47.21 | 14.93 | 3 | 82.31 | 7.58 | 4.37 |
| | 2 | 10 | 24.92 | 10.34 | 3.27 | 10 | 34.50 | 18.60 | 5.88 | 10 | 30.92 | 16.74 | 5.29 | 3 | 30.11 | 4.84 | 2.80 |
| | 3 | 10 | 28.56 | 12.54 | 3.96 | 10 | 23.38 | 12.75 | 4.03 | 10 | 17.69 | 5.44 | 1.72 | 3 | 23.21 | 5.44 | 3.14 |
| | 4 | 10 | 23.54 | 10.08 | 3.19 | 10 | 28.41 | 15.46 | 4.89 | 10 | 15.41 | 7.72 | 2.44 | 3 | 22.45 | 6.57 | 3.79 |
| | 5 | 10 | 33.16 | 14.10 | 4.46 | 10 | 32.77 | 18.59 | 5.88 | 10 | 21.19 | 7.72 | 2.44 | 3 | 29.04 | 6.80 | 3.93 |
| | 6 | 10 | 21.79 | 10.27 | 3.25 | 10 | 21.31 | 11.20 | 3.54 | 10 | 36.80 | 73.05 | 23.10 | 3 | 26.64 | 8.81 | 5.08 |
| | 7 | 10 | 88.30 | 37.18 | 11.76 | 10 | 65.10 | 34.12 | 10.79 | 10 | 28.97 | 9.56 | 3.02 | 3 | 60.79 | 29.90 | 17.26 |
| | 8 | 10 | 0.87 | 0.76 | 0.24 | 10 | 1.31 | 1.15 | 0.36 | 10 | 0.11 | 0.21 | 0.07 | 3 | 0.77 | 0.61 | 0.35 |
| | 9 | 10 | 186.42 | 65.14 | 20.60 | 10 | 198.94 | 58.68 | 18.56 | 10 | 175.37 | 65.71 | 20.78 | 3 | 186.91 | 11.79 | 6.81 |
| 90-Minute | 1 | 10 | 95.40 | 46.00 | 14.55 | 10 | 92.73 | 44.94 | 14.21 | 10 | 97.47 | 38.29 | 12.11 | 3 | 95.20 | 2.38 | 1.37 |
| | 2 | 10 | 50.92 | 40.26 | 12.73 | 10 | 27.77 | 13.09 | 4.14 | 10 | 47.57 | 21.00 | 6.64 | 3 | 42.08 | 12.51 | 7.22 |
| | 3 | 10 | 25.98 | 8.70 | 2.75 | 10 | 24.78 | 13.04 | 4.12 | 10 | 32.20 | 11.40 | 3.61 | 3 | 27.65 | 3.98 | 2.30 |
| | 4 | 10 | 26.79 | 9.05 | 2.86 | 10 | 18.29 | 7.34 | 2.32 | 10 | 24.87 | 11.63 | 3.68 | 3 | 23.32 | 4.46 | 2.57 |
| | 5 | 10 | 27.53 | 9.81 | 3.10 | 10 | 22.94 | 11.39 | 3.60 | 10 | 22.41 | 9.80 | 3.10 | 3 | 24.29 | 2.81 | 1.62 |
| | 6 | 10 | 18.41 | 5.01 | 1.58 | 10 | 14.75 | 8.92 | 2.82 | 10 | 17.86 | 5.60 | 1.77 | 3 | 17.01 | 1.97 | 1.14 |
| | 7 | 10 | 81.55 | 21.06 | 6.66 | 10 | 50.80 | 39.24 | 12.41 | 10 | 41.67 | 20.88 | 6.60 | 3 | 58.01 | 20.90 | 12.07 |
| | 8 | 10 | 1.56 | 1.46 | 0.46 | 10 | 0.90 | 1.02 | 0.32 | 10 | 0.30 | 0.42 | 0.13 | 3 | 0.92 | 0.63 | 0.36 |
| | 9 | 10 | 226.61 | 94.66 | 29.93 | 10 | 186.50 | 50.09 | 15.84 | 10 | 224.52 | 58.18 | 18.40 | 3 | 212.54 | 22.58 | 13.03 |
| 300-Minute | 1 | 10 | 136.54 | 62.34 | 19.71 | 10 | 115.49 | 72.81 | 23.03 | 10 | 163.46 | 84.57 | 26.74 | 3 | 138.50 | 24.05 | 13.88 |
| | 2 | 10 | 44.91 | 20.81 | 6.58 | 10 | 41.85 | 19.92 | 6.30 | 10 | 55.72 | 27.84 | 8.80 | 3 | 47.49 | 7.29 | 4.21 |
| | 3 | 10 | 26.22 | 10.78 | 3.41 | 10 | 22.20 | 9.82 | 3.11 | 10 | 28.07 | 15.97 | 5.05 | 3 | 25.50 | 3.00 | 1.73 |
| | 4 | 10 | 20.16 | 6.77 | 2.14 | 10 | 22.72 | 8.07 | 2.55 | 10 | 20.96 | 7.93 | 2.51 | 3 | 21.28 | 1.31 | 0.76 |
| | 5 | 10 | 33.48 | 14.35 | 4.54 | 10 | 29.34 | 11.98 | 3.79 | 10 | 27.52 | 7.40 | 2.34 | 3 | 30.11 | 3.05 | 1.76 |
| | 6 | 10 | 18.72 | 6.17 | 1.95 | 10 | 20.84 | 9.34 | 2.95 | 10 | 20.11 | 9.01 | 2.85 | 3 | 19.89 | 1.08 | 0.62 |
| | 7 | 10 | 76.59 | 30.94 | 9.78 | 10 | 67.07 | 32.30 | 10.21 | 10 | 72.46 | 66.70 | 21.09 | 3 | 72.04 | 4.77 | 2.76 |
| | 8 | 10 | 1.24 | 0.80 | 0.25 | 10 | 0.79 | 0.59 | 0.19 | 10 | 0.73 | 0.91 | 0.29 | 3 | 0.92 | 0.28 | 0.16 |
| | 9 | 10 | 261.31 | 74.34 | 23.51 | 10 | 231.61 | 81.20 | 25.68 | 10 | 295.74 | 115.23 | 36.44 | 3 | 262.88 | 32.09 | 18.53 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 4 (Continued)

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|--------|-------|---------------|----|--------|---------------|-------|----|------------|--------|-------|---|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| 600-Minute | 1 | 10 | 47.93 | 36.91 | 11.67 | 10 | 72.82 | 28.48 | 9.01 | 10 | 96.15 | 81.10 | 25.65 | 3 | 72.30 | 24.12 | 13.92 |
| | 2 | 10 | 22.31 | 7.65 | 2.42 | 10 | 23.93 | 15.38 | 4.86 | 10 | 36.41 | 17.04 | 5.39 | 3 | 27.55 | 7.71 | 4.45 |
| | 3 | 10 | 18.26 | 6.36 | 2.01 | 10 | 18.20 | 7.40 | 2.34 | 10 | 15.89 | 5.66 | 1.79 | 3 | 17.45 | 1.35 | 0.78 |
| | 4 | 10 | 24.98 | 8.99 | 2.84 | 10 | 20.47 | 13.82 | 4.37 | 10 | 16.52 | 8.30 | 2.63 | 3 | 20.66 | 4.23 | 2.44 |
| | 5 | 10 | 37.79 | 12.74 | 4.03 | 10 | 29.02 | 14.50 | 4.59 | 10 | 53.00 | 40.31 | 12.75 | 3 | 39.94 | 12.13 | 7.00 |
| | 6 | 10 | 28.99 | 12.52 | 3.96 | 10 | 23.23 | 13.26 | 4.19 | 10 | 28.04 | 18.27 | 5.78 | 3 | 26.75 | 3.09 | 1.78 |
| | 7 | 10 | 95.74 | 19.09 | 6.04 | 10 | 63.21 | 19.64 | 6.21 | 10 | 55.29 | 34.29 | 10.84 | 3 | 71.41 | 21.44 | 12.38 |
| | 8 | 10 | 1.27 | 0.57 | 0.18 | 10 | 1.04 | 1.06 | 0.34 | 10 | 0.64 | 0.67 | 0.21 | 3 | 0.98 | 0.32 | 0.18 |
| | 9 | 10 | 151.26 | 54.92 | 17.37 | 10 | 164.44 | 51.55 | 16.30 | 10 | 217.96 | 105.18 | 33.26 | 3 | 177.89 | 35.32 | 20.39 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | |
|------------|------------|--------------|--------|-------|---------------|----|--------|---------------|-------|----|------------|-------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | |
| Baseline | 1 | 10 | 46.48 | 20.77 | 6.57 | 10 | 45.15 | 19.85 | 6.28 | 10 | 35.01 | 18.41 | 5.82 | 3.62 |
| | 2 | 10 | 26.40 | 11.03 | 3.49 | 10 | 23.08 | 11.46 | 3.62 | 10 | 21.98 | 10.08 | 3.19 | 1.33 |
| | 3 | 10 | 28.82 | 13.43 | 4.25 | 10 | 24.20 | 15.75 | 4.98 | 10 | 29.90 | 15.05 | 4.76 | 1.75 |
| | 4 | 10 | 25.55 | 12.30 | 3.89 | 10 | 30.07 | 7.05 | 2.23 | 10 | 26.08 | 12.80 | 4.05 | 1.43 |
| | 5 | 10 | 30.28 | 15.79 | 4.99 | 10 | 44.33 | 16.30 | 5.16 | 10 | 29.56 | 10.93 | 3.46 | 4.81 |
| | 6 | 10 | 18.63 | 10.11 | 3.20 | 10 | 24.08 | 5.91 | 1.87 | 10 | 27.15 | 17.35 | 5.49 | 2.49 |
| | 7 | 10 | 49.69 | 22.16 | 7.01 | 10 | 84.99 | 23.12 | 7.31 | 10 | 61.03 | 27.51 | 8.70 | 10.40 |
| | 8 | 10 | 0.59 | 0.35 | 0.11 | 10 | 0.85 | 0.77 | 0.24 | 10 | 0.57 | 0.46 | 0.14 | 0.05 |
| | 9 | 10 | 157.53 | 44.44 | 14.05 | 10 | 166.81 | 33.96 | 10.74 | 10 | 142.53 | 45.76 | 14.47 | 7.07 |
| 30-Minute | 1 | 10 | 54.84 | 37.94 | 12.00 | 10 | 70.38 | 27.06 | 8.56 | 10 | 63.18 | 35.41 | 11.20 | 4.49 |
| | 2 | 10 | 23.53 | 17.83 | 5.64 | 10 | 31.77 | 16.33 | 5.16 | 10 | 22.15 | 12.35 | 3.90 | 3.00 |
| | 3 | 10 | 22.88 | 10.51 | 3.32 | 10 | 27.27 | 15.52 | 4.91 | 10 | 13.64 | 4.88 | 1.54 | 4.02 |
| | 4 | 10 | 26.22 | 19.61 | 6.20 | 10 | 20.77 | 9.26 | 2.93 | 10 | 12.04 | 5.89 | 1.86 | 4.13 |
| | 5 | 10 | 24.35 | 12.98 | 4.11 | 10 | 19.24 | 9.24 | 2.92 | 10 | 13.34 | 4.69 | 1.48 | 3.18 |
| | 6 | 10 | 19.05 | 10.10 | 3.19 | 10 | 19.79 | 7.49 | 2.37 | 10 | 27.51 | 53.86 | 17.03 | 2.71 |
| | 7 | 10 | 62.49 | 25.29 | 8.00 | 10 | 54.09 | 34.07 | 10.77 | 10 | 22.12 | 6.26 | 1.98 | 12.30 |
| | 8 | 10 | 0.53 | 0.25 | 0.08 | 10 | 0.84 | 0.75 | 0.24 | 10 | 0.17 | 0.21 | 0.07 | 0.19 |
| | 9 | 10 | 151.83 | 74.76 | 23.64 | 10 | 169.42 | 52.21 | 16.51 | 10 | 123.48 | 40.35 | 12.76 | 13.38 |
| 90-Minute | 1 | 10 | 77.71 | 39.83 | 12.59 | 10 | 64.25 | 29.02 | 9.18 | 10 | 73.43 | 32.97 | 10.42 | 3.97 |
| | 2 | 10 | 29.73 | 14.28 | 4.52 | 10 | 27.89 | 9.02 | 2.85 | 10 | 33.96 | 11.54 | 3.65 | 1.80 |
| | 3 | 10 | 20.14 | 7.37 | 2.33 | 10 | 18.45 | 9.28 | 2.94 | 10 | 24.81 | 7.75 | 2.45 | 1.90 |
| | 4 | 10 | 21.22 | 8.84 | 2.79 | 10 | 14.45 | 6.04 | 1.91 | 10 | 23.66 | 8.67 | 2.74 | 2.76 |
| | 5 | 10 | 22.94 | 6.60 | 2.09 | 10 | 15.40 | 7.10 | 2.25 | 10 | 19.41 | 4.71 | 1.49 | 2.18 |
| | 6 | 10 | 22.54 | 7.87 | 2.49 | 10 | 15.82 | 4.52 | 1.43 | 10 | 16.09 | 3.31 | 1.05 | 2.20 |
| | 7 | 10 | 67.21 | 18.92 | 5.98 | 10 | 34.81 | 25.78 | 8.15 | 10 | 36.97 | 9.04 | 2.86 | 10.46 |
| | 8 | 10 | 0.80 | 0.42 | 0.13 | 10 | 0.37 | 0.37 | 0.12 | 10 | 0.21 | 0.25 | 0.08 | 0.18 |
| | 9 | 10 | 171.75 | 57.75 | 18.26 | 10 | 140.44 | 39.34 | 12.44 | 10 | 175.27 | 37.69 | 11.92 | 11.07 |
| 300-Minute | 1 | 10 | 104.49 | 43.27 | 13.68 | 10 | 115.33 | 70.77 | 22.38 | 10 | 130.67 | 42.24 | 13.36 | 7.60 |
| | 2 | 10 | 36.01 | 15.30 | 4.84 | 10 | 29.57 | 14.55 | 4.60 | 10 | 54.21 | 20.77 | 6.57 | 7.38 |
| | 3 | 10 | 22.57 | 11.69 | 3.70 | 10 | 24.69 | 12.23 | 3.87 | 10 | 30.01 | 12.75 | 4.03 | 2.21 |
| | 4 | 10 | 22.87 | 14.46 | 4.57 | 10 | 24.80 | 9.14 | 2.89 | 10 | 22.87 | 6.48 | 2.05 | 0.64 |
| | 5 | 10 | 33.59 | 18.30 | 5.79 | 10 | 32.92 | 15.03 | 4.75 | 10 | 28.27 | 10.45 | 3.31 | 1.67 |
| | 6 | 10 | 21.20 | 17.33 | 5.48 | 10 | 22.93 | 14.28 | 4.52 | 10 | 28.55 | 11.60 | 3.67 | 2.22 |
| | 7 | 10 | 78.92 | 43.97 | 13.91 | 10 | 65.05 | 23.08 | 7.30 | 10 | 80.56 | 50.06 | 15.83 | 4.92 |
| | 8 | 10 | 0.94 | 1.10 | 0.35 | 10 | 0.47 | 0.54 | 0.17 | 10 | 0.77 | 0.92 | 0.29 | 0.14 |
| | 9 | 10 | 219.53 | 66.95 | 21.17 | 10 | 227.32 | 80.52 | 25.46 | 10 | 266.04 | 60.97 | 19.28 | 14.38 |

TASK: 89-09

DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 3 (Continued)

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|--------|-------|---------------|----|--------|---------------|-------|----|------------|--------|-------|---|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| 600-Minute | 1 | 10 | 50.94 | 29.58 | 9.35 | 10 | 62.84 | 22.06 | 6.98 | 10 | 54.37 | 25.80 | 8.16 | 3 | 56.05 | 6.13 | 3.54 |
| | 2 | 10 | 17.69 | 8.16 | 2.58 | 10 | 21.45 | 9.73 | 3.08 | 10 | 26.20 | 13.47 | 4.26 | 3 | 21.78 | 4.26 | 2.46 |
| | 3 | 10 | 18.08 | 7.59 | 2.40 | 10 | 18.27 | 6.17 | 1.95 | 10 | 19.87 | 10.14 | 3.21 | 3 | 18.74 | 0.99 | 0.57 |
| | 4 | 10 | 35.34 | 28.81 | 9.11 | 10 | 24.09 | 16.53 | 5.23 | 10 | 17.34 | 10.74 | 3.40 | 3 | 25.59 | 9.10 | 5.25 |
| | 5 | 10 | 43.30 | 18.65 | 5.90 | 10 | 22.23 | 5.97 | 1.89 | 10 | 41.95 | 33.97 | 10.74 | 3 | 35.82 | 11.79 | 6.81 |
| | 6 | 10 | 35.98 | 12.90 | 4.08 | 10 | 24.58 | 14.80 | 4.68 | 10 | 31.34 | 29.46 | 9.32 | 3 | 30.63 | 5.73 | 3.31 |
| | 7 | 10 | 106.23 | 39.79 | 12.58 | 10 | 60.79 | 28.07 | 8.88 | 10 | 141.00 | 159.47 | 50.43 | 3 | 102.68 | 40.23 | 23.22 |
| | 8 | 10 | 0.90 | 0.83 | 0.26 | 10 | 1.85 | 3.37 | 1.07 | 10 | 2.40 | 3.19 | 1.01 | 3 | 1.72 | 0.76 | 0.44 |
| | 9 | 10 | 165.35 | 71.63 | 22.65 | 10 | 148.88 | 37.94 | 12.00 | 10 | 159.72 | 76.01 | 24.04 | 3 | 157.98 | 8.37 | 4.83 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 25.07 | 15.87 | 5.02 | 10 | 13.16 | 5.66 | 1.79 | 10 | 16.03 | 10.55 | 3.34 |
| | 2 | 10 | 12.35 | 5.74 | 1.82 | 10 | 9.66 | 5.37 | 1.70 | 10 | 10.54 | 4.66 | 1.47 |
| | 3 | 10 | 16.33 | 8.09 | 2.56 | 10 | 14.58 | 6.93 | 2.19 | 10 | 13.02 | 2.62 | 0.83 |
| | 4 | 10 | 12.37 | 4.61 | 1.46 | 10 | 8.91 | 3.91 | 1.24 | 10 | 9.08 | 2.49 | 0.79 |
| | 5 | 10 | 11.67 | 4.06 | 1.28 | 10 | 10.96 | 2.76 | 0.87 | 10 | 9.10 | 1.82 | 0.58 |
| | 6 | 10 | 5.19 | 2.35 | 0.74 | 10 | 5.13 | 1.27 | 0.40 | 10 | 3.80 | 1.03 | 0.33 |
| | 7 | 10 | 15.29 | 5.91 | 1.87 | 10 | 18.27 | 3.12 | 0.99 | 10 | 13.26 | 4.12 | 1.30 |
| | 8 | 10 | 0.09 | 0.12 | 0.04 | 10 | 0.21 | 0.18 | 0.06 | 10 | 0.17 | 0.12 | 0.04 |
| | 9 | 10 | 77.78 | 25.36 | 8.02 | 10 | 57.27 | 18.82 | 5.95 | 10 | 57.77 | 15.92 | 5.04 |
| 30-Minute | 1 | 10 | 36.17 | 17.74 | 5.61 | 10 | 49.28 | 24.09 | 7.62 | 10 | 39.21 | 15.15 | 4.79 |
| | 2 | 10 | 11.03 | 5.25 | 1.66 | 10 | 11.53 | 6.39 | 2.02 | 10 | 12.75 | 5.80 | 1.83 |
| | 3 | 10 | 9.10 | 4.30 | 1.36 | 10 | 11.87 | 4.45 | 1.41 | 10 | 8.93 | 2.77 | 0.88 |
| | 4 | 10 | 10.07 | 3.19 | 1.01 | 10 | 12.15 | 5.43 | 1.72 | 10 | 7.70 | 3.50 | 1.11 |
| | 5 | 10 | 11.85 | 5.09 | 1.61 | 10 | 11.08 | 4.99 | 1.58 | 10 | 6.87 | 2.24 | 0.71 |
| | 6 | 10 | 7.24 | 2.40 | 0.76 | 10 | 6.43 | 3.05 | 0.96 | 10 | 13.97 | 29.13 | 9.21 |
| | 7 | 10 | 22.10 | 8.39 | 2.65 | 10 | 15.63 | 7.80 | 2.47 | 10 | 12.47 | 3.12 | 0.99 |
| | 8 | 10 | 0.20 | 0.17 | 0.05 | 10 | 0.05 | 0.13 | 0.04 | 10 | 0.04 | 0.09 | 0.03 |
| | 9 | 10 | 78.22 | 25.73 | 8.14 | 10 | 95.92 | 27.64 | 8.74 | 10 | 74.95 | 19.59 | 6.19 |
| 90-Minute | 1 | 10 | 28.42 | 20.80 | 6.58 | 10 | 20.55 | 5.68 | 1.79 | 10 | 26.84 | 10.78 | 3.41 |
| | 2 | 10 | 9.12 | 4.01 | 1.27 | 10 | 12.22 | 6.65 | 2.10 | 10 | 15.22 | 6.55 | 2.07 |
| | 3 | 10 | 8.59 | 3.45 | 1.09 | 10 | 10.05 | 3.46 | 1.09 | 10 | 9.95 | 5.09 | 1.61 |
| | 4 | 10 | 9.49 | 2.13 | 0.67 | 10 | 10.99 | 4.50 | 1.42 | 10 | 7.67 | 2.64 | 0.83 |
| | 5 | 10 | 10.95 | 3.50 | 1.11 | 10 | 8.30 | 1.89 | 0.60 | 10 | 7.77 | 2.92 | 0.92 |
| | 6 | 10 | 5.71 | 2.39 | 0.76 | 10 | 4.56 | 2.40 | 0.76 | 10 | 5.63 | 2.00 | 0.63 |
| | 7 | 10 | 17.90 | 2.52 | 0.80 | 10 | 13.44 | 5.65 | 1.79 | 10 | 12.57 | 5.34 | 1.69 |
| | 8 | 10 | 0.18 | 0.16 | 0.05 | 10 | 0.08 | 0.11 | 0.03 | 10 | 0.12 | 0.14 | 0.05 |
| | 9 | 10 | 66.57 | 28.49 | 9.01 | 10 | 62.10 | 9.03 | 2.86 | 10 | 67.46 | 14.17 | 4.48 |
| 300-Minute | 1 | 10 | 32.92 | 12.99 | 4.11 | 10 | 38.25 | 23.13 | 7.31 | 10 | 33.97 | 19.59 | 6.20 |
| | 2 | 10 | 10.09 | 3.81 | 1.21 | 10 | 14.50 | 6.95 | 2.20 | 10 | 12.51 | 4.45 | 1.41 |
| | 3 | 10 | 9.89 | 3.03 | 0.96 | 10 | 11.00 | 2.78 | 0.88 | 10 | 10.84 | 4.09 | 1.29 |
| | 4 | 10 | 7.19 | 3.17 | 1.00 | 10 | 7.56 | 2.11 | 0.67 | 10 | 7.92 | 2.23 | 0.70 |
| | 5 | 10 | 11.44 | 3.81 | 1.20 | 10 | 10.18 | 4.93 | 1.56 | 10 | 10.03 | 2.47 | 0.78 |
| | 6 | 10 | 8.66 | 2.94 | 0.93 | 10 | 7.09 | 2.12 | 0.67 | 10 | 7.37 | 2.90 | 0.92 |
| | 7 | 10 | 27.81 | 14.30 | 4.52 | 10 | 16.75 | 7.13 | 2.25 | 10 | 17.28 | 9.10 | 2.88 |
| | 8 | 10 | 0.38 | 0.49 | 0.15 | 10 | 0.12 | 0.17 | 0.05 | 10 | 0.09 | 0.12 | 0.04 |
| | 9 | 10 | 71.53 | 19.90 | 6.29 | 10 | 81.49 | 19.96 | 6.31 | 10 | 75.28 | 22.79 | 7.21 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 2 (Continued)

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | |
| 600-Minute | 1 | 10 | 29.76 | 15.70 | 4.96 | 10 | 20.66 | 13.24 | 4.19 | 10 | 31.66 | 13.81 | 4.37 |
| | 2 | 10 | 9.38 | 3.71 | 1.17 | 10 | 12.99 | 4.58 | 1.45 | 10 | 13.39 | 4.82 | 1.52 |
| | 3 | 10 | 10.24 | 2.62 | 0.83 | 10 | 8.40 | 2.96 | 0.93 | 10 | 9.75 | 5.11 | 1.61 |
| | 4 | 10 | 9.57 | 4.33 | 1.37 | 10 | 7.97 | 2.29 | 0.72 | 10 | 10.94 | 7.96 | 2.52 |
| | 5 | 10 | 11.93 | 2.94 | 0.93 | 10 | 11.34 | 3.39 | 1.07 | 10 | 21.86 | 20.02 | 6.33 |
| | 6 | 10 | 7.83 | 4.30 | 1.36 | 10 | 7.07 | 1.52 | 0.48 | 10 | 14.58 | 16.64 | 5.26 |
| | 7 | 10 | 23.82 | 12.20 | 3.86 | 10 | 23.81 | 13.15 | 4.16 | 10 | 51.52 | 55.47 | 17.54 |
| | 8 | 10 | 0.12 | 0.21 | 0.07 | 10 | 0.63 | 0.82 | 0.26 | 10 | 0.61 | 0.87 | 0.28 |
| | 9 | 10 | 70.87 | 19.64 | 6.21 | 10 | 61.37 | 17.16 | 5.43 | 10 | 87.59 | 36.30 | 11.48 |
| | | | | | | | | | | | 27.36 | 5.87 | 3.39 |
| | | | | | | | | | | | 11.92 | 2.21 | 1.28 |
| | | | | | | | | | | | 9.46 | 0.95 | 0.55 |
| | | | | | | | | | | | 9.49 | 1.49 | 0.86 |
| | | | | | | | | | | | 15.04 | 5.91 | 3.41 |
| | | | | | | | | | | | 9.83 | 4.14 | 2.39 |
| | | | | | | | | | | | 33.05 | 16.00 | 9.24 |
| | | | | | | | | | | | 0.45 | 0.29 | 0.17 |
| | | | | | | | | | | | 73.28 | 13.28 | 7.67 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Total Power
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|--------|-------|---------------|----|--------|---------------|-------|----|------------|--------|-------|---|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 25.68 | 21.16 | 6.69 | 10 | 26.02 | 12.87 | 4.07 | 10 | 24.09 | 10.17 | 3.22 | 3 | 25.26 | 1.03 | 0.59 |
| | 2 | 10 | 14.65 | 5.67 | 1.79 | 10 | 17.27 | 6.08 | 1.92 | 10 | 14.07 | 4.21 | 1.33 | 3 | 15.33 | 1.70 | 0.98 |
| | 3 | 10 | 26.63 | 19.97 | 6.31 | 10 | 20.66 | 7.27 | 2.30 | 10 | 25.27 | 15.58 | 4.93 | 3 | 24.19 | 3.13 | 1.80 |
| | 4 | 10 | 21.97 | 9.80 | 3.10 | 10 | 22.19 | 9.24 | 2.92 | 10 | 25.71 | 13.33 | 4.21 | 3 | 23.29 | 2.10 | 1.21 |
| | 5 | 10 | 35.96 | 17.41 | 5.50 | 10 | 31.94 | 13.57 | 4.29 | 10 | 28.75 | 11.21 | 3.55 | 3 | 32.22 | 3.61 | 2.09 |
| | 6 | 10 | 18.71 | 10.06 | 3.18 | 10 | 26.95 | 10.49 | 3.32 | 10 | 16.87 | 8.64 | 2.73 | 3 | 20.84 | 5.37 | 3.10 |
| | 7 | 10 | 63.99 | 30.09 | 9.52 | 10 | 101.88 | 34.13 | 10.79 | 10 | 68.70 | 25.60 | 8.10 | 3 | 78.19 | 20.65 | 11.92 |
| | 8 | 10 | 1.28 | 0.97 | 0.31 | 10 | 1.44 | 0.67 | 0.21 | 10 | 1.00 | 0.47 | 0.15 | 3 | 1.24 | 0.22 | 0.13 |
| | 9 | 10 | 124.89 | 44.16 | 13.96 | 10 | 118.08 | 27.89 | 8.82 | 10 | 117.90 | 31.77 | 10.05 | 3 | 120.29 | 3.99 | 2.30 |
| 30-Minute | 1 | 10 | 94.02 | 72.71 | 22.99 | 10 | 63.30 | 50.92 | 16.10 | 10 | 82.89 | 34.38 | 10.87 | 3 | 80.07 | 15.55 | 8.98 |
| | 2 | 10 | 21.79 | 11.83 | 3.74 | 10 | 17.10 | 11.18 | 3.54 | 10 | 18.39 | 7.41 | 2.34 | 3 | 19.09 | 2.42 | 1.40 |
| | 3 | 10 | 17.54 | 8.65 | 2.73 | 10 | 17.26 | 6.17 | 1.95 | 10 | 8.97 | 3.60 | 1.14 | 3 | 14.59 | 4.87 | 2.81 |
| | 4 | 10 | 18.37 | 9.69 | 3.06 | 10 | 19.75 | 11.02 | 3.48 | 10 | 7.58 | 3.36 | 1.06 | 3 | 15.23 | 6.66 | 3.85 |
| | 5 | 10 | 29.38 | 19.09 | 6.04 | 10 | 30.97 | 24.11 | 7.62 | 10 | 8.62 | 4.50 | 1.42 | 3 | 22.99 | 12.47 | 7.20 |
| | 6 | 10 | 17.44 | 6.03 | 1.91 | 10 | 16.99 | 14.51 | 4.59 | 10 | 19.67 | 39.09 | 12.36 | 3 | 18.03 | 1.44 | 0.83 |
| | 7 | 10 | 75.16 | 46.28 | 14.63 | 10 | 72.05 | 63.27 | 20.01 | 10 | 14.08 | 8.31 | 2.63 | 3 | 53.76 | 34.40 | 19.86 |
| | 8 | 10 | 0.85 | 1.10 | 0.35 | 10 | 1.35 | 1.39 | 0.44 | 10 | 0.09 | 0.29 | 0.09 | 3 | 0.76 | 0.63 | 0.37 |
| | 9 | 10 | 181.10 | 68.65 | 21.71 | 10 | 148.39 | 45.32 | 14.33 | 10 | 124.42 | 38.97 | 12.32 | 3 | 151.31 | 28.45 | 16.43 |
| 90-Minute | 1 | 10 | 45.46 | 34.12 | 10.79 | 10 | 57.91 | 36.59 | 11.57 | 10 | 69.07 | 36.11 | 11.42 | 3 | 57.48 | 11.81 | 6.82 |
| | 2 | 10 | 16.55 | 9.67 | 3.06 | 10 | 15.00 | 5.52 | 1.74 | 10 | 23.83 | 9.62 | 3.04 | 3 | 18.46 | 4.72 | 2.72 |
| | 3 | 10 | 20.70 | 7.51 | 2.38 | 10 | 16.52 | 9.37 | 2.96 | 10 | 15.81 | 7.66 | 2.42 | 3 | 17.68 | 2.64 | 1.53 |
| | 4 | 10 | 23.29 | 5.79 | 1.83 | 10 | 14.73 | 7.57 | 2.40 | 10 | 11.74 | 3.99 | 1.26 | 3 | 16.59 | 6.00 | 3.46 |
| | 5 | 10 | 33.20 | 8.79 | 2.78 | 10 | 16.83 | 11.95 | 3.78 | 10 | 13.08 | 7.13 | 2.25 | 3 | 21.03 | 10.70 | 6.18 |
| | 6 | 10 | 25.83 | 10.60 | 3.35 | 10 | 11.75 | 12.02 | 3.80 | 10 | 10.94 | 5.59 | 1.77 | 3 | 16.17 | 8.38 | 4.84 |
| | 7 | 10 | 91.57 | 28.06 | 8.87 | 10 | 43.69 | 45.79 | 14.48 | 10 | 28.82 | 19.54 | 6.18 | 3 | 54.70 | 32.79 | 18.93 |
| | 8 | 10 | 1.75 | 1.32 | 0.42 | 10 | 1.26 | 2.06 | 0.65 | 10 | 0.35 | 0.50 | 0.16 | 3 | 1.12 | 0.71 | 0.41 |
| | 9 | 10 | 139.20 | 40.78 | 12.90 | 10 | 120.97 | 41.07 | 12.99 | 10 | 133.53 | 40.37 | 12.77 | 3 | 131.24 | 9.33 | 5.39 |
| 300-Minute | 1 | 10 | 60.24 | 45.42 | 14.36 | 10 | 61.22 | 28.92 | 9.14 | 10 | 96.65 | 57.09 | 18.05 | 3 | 72.70 | 20.74 | 11.98 |
| | 2 | 10 | 19.87 | 7.94 | 2.51 | 10 | 22.20 | 6.49 | 2.05 | 10 | 24.31 | 12.08 | 3.82 | 3 | 22.13 | 2.22 | 1.28 |
| | 3 | 10 | 23.22 | 11.15 | 3.53 | 10 | 17.84 | 10.96 | 3.47 | 10 | 17.89 | 17.40 | 5.50 | 3 | 19.65 | 3.09 | 1.78 |
| | 4 | 10 | 17.89 | 7.41 | 2.34 | 10 | 13.67 | 8.89 | 2.81 | 10 | 18.08 | 11.84 | 3.74 | 3 | 16.54 | 2.49 | 1.44 |
| | 5 | 10 | 27.71 | 13.91 | 4.40 | 10 | 23.36 | 13.19 | 4.17 | 10 | 23.82 | 17.72 | 5.60 | 3 | 24.96 | 2.39 | 1.38 |
| | 6 | 10 | 25.55 | 14.00 | 4.43 | 10 | 12.34 | 7.77 | 2.46 | 10 | 19.59 | 16.52 | 5.22 | 3 | 19.16 | 6.62 | 3.82 |
| | 7 | 10 | 105.33 | 57.38 | 18.14 | 10 | 63.97 | 52.17 | 16.50 | 10 | 76.78 | 105.13 | 33.25 | 3 | 82.03 | 21.17 | 12.22 |
| | 8 | 10 | 2.06 | 1.91 | 0.60 | 10 | 0.75 | 0.95 | 0.30 | 10 | 0.80 | 1.69 | 0.53 | 3 | 1.20 | 0.74 | 0.43 |
| | 9 | 10 | 148.93 | 69.88 | 22.10 | 10 | 138.28 | 41.19 | 13.02 | 10 | 180.75 | 96.97 | 30.67 | 3 | 155.99 | 22.10 | 12.76 |

TASK: 89-09

DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.2 mg/kg OF ATROPINE IM
I.A.S.A.: 89-09

PARAMETER = Total Power
CHANNEL = 1 (Continued)

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|--------|-------|---------------|----|-------|---------------|------|----|------------|--------|-------|---|--------|-------|-------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| 600-Minute | 1 | 10 | 28.69 | 15.38 | 4.86 | 10 | 40.37 | 25.97 | 8.21 | 10 | 52.93 | 34.43 | 10.89 | 3 | 40.66 | 12.12 | 7.00 |
| | 2 | 10 | 15.61 | 7.09 | 2.24 | 10 | 13.41 | 4.77 | 1.51 | 10 | 16.41 | 9.52 | 3.01 | 3 | 15.14 | 1.55 | 0.90 |
| | 3 | 10 | 17.65 | 6.28 | 1.99 | 10 | 11.27 | 6.96 | 2.20 | 10 | 14.22 | 10.22 | 3.23 | 3 | 14.38 | 3.19 | 1.84 |
| | 4 | 10 | 26.60 | 9.51 | 3.01 | 10 | 13.51 | 8.55 | 2.70 | 10 | 14.27 | 14.61 | 4.62 | 3 | 18.13 | 7.35 | 4.24 |
| | 5 | 10 | 35.79 | 16.47 | 5.21 | 10 | 19.28 | 10.55 | 3.33 | 10 | 39.13 | 46.94 | 14.84 | 3 | 31.40 | 10.63 | 6.14 |
| | 6 | 10 | 26.81 | 7.33 | 2.32 | 10 | 14.45 | 8.67 | 2.74 | 10 | 19.78 | 22.82 | 7.22 | 3 | 20.35 | 6.20 | 3.58 |
| | 7 | 10 | 116.35 | 52.05 | 16.46 | 10 | 46.74 | 25.83 | 8.17 | 10 | 91.12 | 106.37 | 33.64 | 3 | 84.74 | 35.24 | 20.35 |
| | 8 | 10 | 1.74 | 0.61 | 0.19 | 10 | 0.91 | 1.03 | 0.32 | 10 | 1.29 | 1.67 | 0.53 | 3 | 1.32 | 0.41 | 0.24 |
| | 9 | 10 | 124.34 | 40.07 | 12.67 | 10 | 97.84 | 26.47 | 8.37 | 10 | 136.96 | 78.17 | 24.72 | 3 | 119.71 | 19.97 | 11.53 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | | | | |
| Baseline | 1 | 8 | 2.12 | 0.79 | 0.28 | 7 | 1.93 | 0.61 | 0.23 | 9 | 2.22 | 0.57 | 0.19 | 3 | 2.09 | 0.15 | 0.09 |
| | 2 | 9 | 5.94 | 0.88 | 0.29 | 9 | 6.11 | 0.93 | 0.31 | 10 | 6.00 | 0.88 | 0.28 | 3 | 6.02 | 0.08 | 0.05 |
| | 3 | 10 | 10.35 | 0.75 | 0.24 | 10 | 10.65 | 1.27 | 0.40 | 10 | 10.25 | 1.27 | 0.40 | 3 | 10.42 | 0.21 | 0.12 |
| | 4 | 10 | 14.95 | 1.34 | 0.42 | 10 | 16.05 | 0.86 | 0.27 | 10 | 16.05 | 1.07 | 0.34 | 3 | 15.68 | 0.64 | 0.37 |
| | 5 | 10 | 21.00 | 2.03 | 0.64 | 10 | 21.05 | 1.12 | 0.35 | 10 | 21.20 | 2.03 | 0.64 | 3 | 21.08 | 0.10 | 0.06 |
| | 9 | 10 | 6.45 | 5.76 | 1.82 | 10 | 8.75 | 7.21 | 2.28 | 10 | 8.15 | 8.59 | 2.72 | 3 | 7.78 | 1.19 | 0.69 |
| 30-Minute | 1 | 10 | 2.20 | 0.54 | 0.17 | 9 | 2.44 | 0.77 | 0.26 | 8 | 2.56 | 0.86 | 0.31 | 3 | 2.40 | 0.18 | 0.11 |
| | 2 | 10 | 5.65 | 0.71 | 0.22 | 10 | 6.30 | 0.67 | 0.21 | 9 | 6.00 | 0.83 | 0.28 | 3 | 5.98 | 0.33 | 0.19 |
| | 3 | 9 | 9.94 | 1.07 | 0.36 | 10 | 10.65 | 1.31 | 0.42 | 10 | 10.05 | 1.40 | 0.44 | 3 | 10.21 | 0.38 | 0.22 |
| | 4 | 10 | 15.95 | 1.23 | 0.39 | 9 | 16.50 | 0.94 | 0.31 | 9 | 15.44 | 1.42 | 0.47 | 3 | 15.96 | 0.53 | 0.30 |
| | 5 | 10 | 21.15 | 1.76 | 0.56 | 10 | 21.85 | 1.94 | 0.61 | 9 | 21.11 | 2.03 | 0.68 | 3 | 21.37 | 0.42 | 0.24 |
| | 9 | 10 | 5.65 | 5.75 | 1.82 | 10 | 4.35 | 4.50 | 1.42 | 10 | 5.65 | 5.98 | 1.89 | 3 | 5.22 | 0.75 | 0.43 |
| 90-Minute | 1 | 10 | 2.40 | 0.81 | 0.26 | 10 | 2.20 | 0.67 | 0.21 | 6 | 2.25 | 0.99 | 0.40 | 3 | 2.28 | 0.10 | 0.06 |
| | 2 | 8 | 5.69 | 0.75 | 0.27 | 10 | 5.75 | 1.01 | 0.32 | 8 | 5.94 | 1.02 | 0.36 | 3 | 5.79 | 0.13 | 0.08 |
| | 3 | 10 | 11.05 | 1.42 | 0.45 | 10 | 10.00 | 1.43 | 0.45 | 9 | 10.78 | 1.20 | 0.40 | 3 | 10.61 | 0.54 | 0.31 |
| | 4 | 10 | 15.30 | 0.63 | 0.20 | 9 | 15.72 | 1.46 | 0.49 | 9 | 14.72 | 0.75 | 0.25 | 3 | 15.25 | 0.50 | 0.29 |
| | 5 | 10 | 21.60 | 1.87 | 0.59 | 9 | 22.28 | 1.89 | 0.63 | 10 | 22.35 | 1.55 | 0.49 | 3 | 22.08 | 0.41 | 0.24 |
| | 9 | 10 | 4.45 | 6.91 | 2.18 | 10 | 2.60 | 1.10 | 0.35 | 10 | 4.10 | 3.85 | 1.22 | 3 | 3.72 | 0.98 | 0.57 |
| 300-Minute | 1 | 10 | 2.00 | 0.62 | 0.20 | 7 | 2.14 | 0.56 | 0.21 | 10 | 2.20 | 0.86 | 0.27 | 3 | 2.11 | 0.10 | 0.06 |
| | 2 | 8 | 6.00 | 0.76 | 0.27 | 9 | 5.94 | 1.04 | 0.35 | 9 | 6.06 | 1.10 | 0.37 | 3 | 6.00 | 0.06 | 0.03 |
| | 3 | 9 | 9.67 | 0.94 | 0.31 | 10 | 10.60 | 1.37 | 0.43 | 10 | 10.50 | 1.31 | 0.41 | 3 | 10.26 | 0.51 | 0.30 |
| | 4 | 9 | 15.61 | 1.54 | 0.51 | 9 | 15.78 | 1.52 | 0.51 | 10 | 15.25 | 1.44 | 0.45 | 3 | 15.55 | 0.27 | 0.16 |
| | 5 | 10 | 20.85 | 1.86 | 0.59 | 10 | 21.70 | 1.86 | 0.59 | 10 | 21.65 | 2.12 | 0.67 | 3 | 21.40 | 0.48 | 0.28 |
| | 9 | 10 | 3.55 | 4.54 | 1.44 | 10 | 3.90 | 3.43 | 1.08 | 10 | 2.20 | 0.86 | 0.27 | 3 | 3.22 | 0.90 | 0.52 |
| 600-Minute | 1 | 7 | 2.36 | 0.85 | 0.32 | 9 | 2.17 | 0.43 | 0.14 | 9 | 2.39 | 0.70 | 0.23 | 3 | 2.30 | 0.12 | 0.07 |
| | 2 | 9 | 5.83 | 0.79 | 0.26 | 8 | 6.00 | 1.34 | 0.47 | 10 | 6.45 | 0.90 | 0.28 | 3 | 6.09 | 0.32 | 0.18 |
| | 3 | 10 | 10.30 | 0.98 | 0.31 | 10 | 10.05 | 1.46 | 0.46 | 10 | 10.00 | 1.29 | 0.41 | 3 | 10.12 | 0.16 | 0.09 |
| | 4 | 9 | 15.56 | 1.10 | 0.37 | 10 | 15.40 | 1.15 | 0.36 | 10 | 15.35 | 0.94 | 0.30 | 3 | 15.44 | 0.11 | 0.06 |
| | 5 | 10 | 21.70 | 1.48 | 0.47 | 10 | 20.45 | 1.46 | 0.46 | 10 | 21.10 | 1.49 | 0.47 | 3 | 21.08 | 0.63 | 0.36 |
| | 9 | 10 | 8.30 | 8.14 | 2.57 | 10 | 3.25 | 3.45 | 1.09 | 10 | 6.15 | 7.75 | 2.45 | 3 | 5.90 | 2.53 | 1.46 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 2.45 | 0.55 | 0.17 | 9 | 2.11 | 0.60 | 0.20 | 10 | 2.35 | 0.67 | 0.21 |
| | 2 | 10 | 6.25 | 0.98 | 0.31 | 9 | 5.89 | 0.99 | 0.33 | 8 | 5.94 | 1.02 | 0.36 |
| | 3 | 10 | 11.25 | 0.98 | 0.31 | 10 | 10.80 | 1.25 | 0.40 | 10 | 10.20 | 1.21 | 0.38 |
| | 4 | 10 | 15.55 | 1.21 | 0.38 | 10 | 15.65 | 1.13 | 0.36 | 10 | 15.75 | 1.34 | 0.42 |
| | 5 | 10 | 20.75 | 1.89 | 0.60 | 10 | 20.45 | 1.64 | 0.52 | 10 | 22.35 | 1.45 | 0.46 |
| 30-Minute | 9 | 10 | 4.15 | 5.06 | 1.60 | 10 | 5.50 | 6.55 | 2.07 | 10 | 6.00 | 6.65 | 2.10 |
| | 1 | 8 | 2.37 | 0.79 | 0.28 | 8 | 2.25 | 0.76 | 0.27 | 7 | 2.29 | 0.64 | 0.24 |
| | 2 | 10 | 5.70 | 0.75 | 0.24 | 10 | 5.75 | 0.92 | 0.29 | 10 | 5.70 | 0.98 | 0.31 |
| | 3 | 10 | 10.60 | 1.43 | 0.45 | 10 | 9.90 | 0.91 | 0.29 | 10 | 10.95 | 1.19 | 0.38 |
| | 4 | 9 | 16.00 | 1.12 | 0.37 | 9 | 15.89 | 1.19 | 0.40 | 9 | 15.89 | 1.41 | 0.47 |
| 90-Minute | 5 | 10 | 20.80 | 1.51 | 0.48 | 10 | 21.80 | 1.55 | 0.49 | 10 | 22.10 | 1.93 | 0.61 |
| | 9 | 10 | 8.95 | 7.98 | 2.52 | 10 | 5.80 | 6.36 | 2.01 | 10 | 3.75 | 2.74 | 0.87 |
| | 1 | 8 | 2.50 | 0.89 | 0.31 | 5 | 2.10 | 0.82 | 0.37 | 9 | 2.50 | 0.83 | 0.28 |
| | 2 | 10 | 6.00 | 0.91 | 0.29 | 10 | 5.75 | 1.03 | 0.33 | 10 | 5.95 | 1.09 | 0.35 |
| | 3 | 10 | 10.25 | 1.55 | 0.49 | 10 | 10.35 | 0.94 | 0.30 | 10 | 10.48 | 1.10 | 0.35 |
| 300-Minute | 4 | 10 | 16.45 | 0.96 | 0.30 | 10 | 16.00 | 0.94 | 0.30 | 10 | 15.25 | 1.23 | 0.39 |
| | 5 | 10 | 21.10 | 1.61 | 0.51 | 10 | 21.15 | 2.27 | 0.72 | 10 | 22.00 | 1.96 | 0.62 |
| | 9 | 10 | 5.30 | 5.34 | 1.69 | 10 | 4.95 | 5.20 | 1.64 | 10 | 3.55 | 2.20 | 0.70 |
| | 1 | 8 | 2.50 | 0.76 | 0.27 | 6 | 2.25 | 0.88 | 0.36 | 9 | 2.11 | 0.60 | 0.20 |
| | 2 | 9 | 6.00 | 1.17 | 0.39 | 10 | 6.30 | 0.86 | 0.27 | 9 | 5.39 | 0.70 | 0.23 |
| 600-Minute | 3 | 10 | 10.27 | 1.26 | 0.40 | 9 | 10.72 | 1.54 | 0.51 | 8 | 10.38 | 1.55 | 0.55 |
| | 4 | 10 | 15.35 | 1.36 | 0.43 | 10 | 15.15 | 1.16 | 0.37 | 10 | 15.20 | 1.36 | 0.43 |
| | 5 | 10 | 21.80 | 1.99 | 0.63 | 10 | 21.15 | 1.75 | 0.55 | 10 | 21.40 | 1.91 | 0.60 |
| | 9 | 10 | 3.65 | 2.58 | 0.82 | 10 | 4.00 | 3.37 | 1.07 | 10 | 3.75 | 5.21 | 1.65 |
| | 1 | 9 | 2.67 | 0.56 | 0.19 | 8 | 2.37 | 0.52 | 0.18 | 10 | 2.40 | 0.74 | 0.23 |
| | 2 | 9 | 6.22 | 0.97 | 0.32 | 8 | 5.87 | 1.19 | 0.42 | 10 | 6.20 | 1.01 | 0.32 |
| | 3 | 10 | 11.20 | 1.30 | 0.41 | 10 | 10.40 | 1.35 | 0.43 | 10 | 10.05 | 1.14 | 0.36 |
| | 4 | 10 | 15.85 | 0.78 | 0.25 | 9 | 15.83 | 1.12 | 0.37 | 9 | 15.33 | 1.00 | 0.33 |
| | 5 | 10 | 21.15 | 1.33 | 0.42 | 10 | 21.90 | 2.14 | 0.68 | 10 | 20.80 | 1.27 | 0.40 |
| | 9 | 10 | 13.25 | 9.27 | 2.93 | 10 | 5.60 | 5.98 | 1.89 | 10 | 6.35 | 7.54 | 2.38 |
| | 1 | 9 | 2.67 | 0.56 | 0.19 | 8 | 2.37 | 0.52 | 0.18 | 10 | 2.40 | 0.74 | 0.23 |
| | 2 | 9 | 6.22 | 0.97 | 0.32 | 8 | 5.87 | 1.19 | 0.42 | 10 | 6.20 | 1.01 | 0.32 |
| | 3 | 10 | 11.20 | 1.30 | 0.41 | 10 | 10.40 | 1.35 | 0.43 | 10 | 10.05 | 1.14 | 0.36 |
| | 4 | 10 | 15.85 | 0.78 | 0.25 | 9 | 15.83 | 1.12 | 0.37 | 9 | 15.33 | 1.00 | 0.33 |
| | 5 | 10 | 21.15 | 1.33 | 0.42 | 10 | 21.90 | 2.14 | 0.68 | 10 | 20.80 | 1.27 | 0.40 |
| | 9 | 10 | 13.25 | 9.27 | 2.93 | 10 | 5.60 | 5.98 | 1.89 | 10 | 6.35 | 7.54 | 2.38 |
| | 1 | 9 | 2.67 | 0.56 | 0.19 | 8 | 2.37 | 0.52 | 0.18 | 10 | 2.40 | 0.74 | 0.23 |
| | 2 | 9 | 6.22 | 0.97 | 0.32 | 8 | 5.87 | 1.19 | 0.42 | 10 | 6.20 | 1.01 | 0.32 |
| | 3 | 10 | 11.20 | 1.30 | 0.41 | 10 | 10.40 | 1.35 | 0.43 | 10 | 10.05 | 1.14 | 0.36 |
| | 4 | 10 | 15.85 | 0.78 | 0.25 | 9 | 15.83 | 1.12 | 0.37 | 9 | 15.33 | 1.00 | 0.33 |
| | 5 | 10 | 21.15 | 1.33 | 0.42 | 10 | 21.90 | 2.14 | 0.68 | 10 | 20.80 | 1.27 | 0.40 |
| | 9 | 10 | 13.25 | 9.27 | 2.93 | 10 | 5.60 | 5.98 | 1.89 | 10 | 6.35 | 7.54 | 2.38 |
| | 1 | 9 | 2.67 | 0.56 | 0.19 | 8 | 2.37 | 0.52 | 0.18 | 10 | 2.40 | 0.74 | 0.23 |
| | 2 | 9 | 6.22 | 0.97 | 0.32 | 8 | 5.87 | 1.19 | 0.42 | 10 | 6.20 | 1.01 | 0.32 |
| | 3 | 10 | 11.20 | 1.30 | 0.41 | 10 | 10.40 | 1.35 | 0.43 | 10 | 10.05 | 1.14 | 0.36 |
| | 4 | 10 | 15.85 | 0.78 | 0.25 | 9 | 15.83 | 1.12 | 0.37 | 9 | 15.33 | 1.00 | 0.33 |
| | 5 | 10 | 21.15 | 1.33 | 0.42 | 10 | 21.90 | 2.14 | 0.68 | 10 | 20.80 | 1.27 | 0.40 |
| | 9 | 10 | 13.25 | 9.27 | 2.93 | 10 | 5.60 | 5.98 | 1.89 | 10 | 6.35 | 7.54 | 2.38 |
| | 1 | 9 | 2.67 | 0.56 | 0.19 | 8 | 2.37 | 0.52 | 0.18 | 10 | 2.40 | 0.74 | 0.23 |
| | 2 | 9 | 6.22 | 0.97 | 0.32 | 8 | 5.87 | 1.19 | 0.42 | 10 | 6.20 | 1.01 | 0.32 |
| | 3 | 10 | 11.20 | 1.30 | 0.41 | 10 | 10.40 | 1.35 | 0.43 | 10 | 10.05 | 1.14 | 0.36 |
| | 4 | 10 | 15.85 | 0.78 | 0.25 | 9 | 15.83 | 1.12 | 0.37 | 9 | 15.33 | 1.00 | 0.33 |
| | 5 | 10 | 21.15 | 1.33 | 0.42 | 10 | 21.90 | 2.14 | 0.68 | 10 | 20.80 | 1.27 | 0.40 |
| | 9 | 10 | 13.25 | 9.27 | 2.93 | 10 | 5.60 | 5.98 | 1.89 | 10 | 6.35 | 7.54 | 2.38 |
| | 1 | 9 | 2.67 | 0.56 | 0.19 | 8 | 2.37 | 0.52 | 0.18 | 10 | 2.40 | 0.74 | 0.23 |
| | 2 | 9 | 6.22 | 0.97 | 0.32 | 8 | 5.87 | 1.19 | 0.42 | 10 | 6.20 | 1.01 | 0.32 |
| | 3 | 10 | 11.20 | 1.30 | 0.41 | 10 | 10.40 | 1.35 | 0.43 | 10 | 10.05 | 1.14 | 0.36 |
| | 4 | 10 | 15.85 | 0.78 | 0.25 | 9 | 15.83 | 1.12 | 0.37 | 9 | 15.33 | 1.00 | 0.33 |
| | 5 | 10 | 21.15 | 1.33 | 0.42 | 10 | 21.90 | 2.14 | 0.68 | 10 | 20.80 | 1.27 | 0.40 |
| | 9 | 10 | 13.25 | 9.27 | 2.93 | 10 | 5.60 | 5.98 | 1.89 | 10 | 6.35 | 7.54 | 2.38 |
| | 1 | 9 | 2.67 | 0.56 | 0.19 | 8 | 2.37 | 0.52 | 0.18 | 10 | 2.40 | 0.74 | 0.23 |
| | 2 | 9 | 6.22 | 0.97 | 0.32 | 8 | 5.87 | 1.19 | 0.42 | 10 | 6.20 | 1.01 | 0.32 |
| | 3 | 10 | 11.20 | 1.30 | 0.41 | 10 | 10.40 | 1.35 | 0.43 | 10 | 10.05 | 1.14 | 0.36 |
| | 4 | 10 | 15.85 | 0.78 | 0.25 | 9 | 15.83 | 1.12 | 0.37 | 9 | 15.33 | 1.00 | 0.33 |
| | 5 | 10 | 21.15 | 1.33 | 0.42 | 10 | 21.90 | 2.14 | 0.68 | 10 | 20.80 | 1.27 | 0.40 |
| | 9 | 10 | 13.25 | 9.27 | 2.93 | 10 | 5.60 | 5.98 | 1.89 | 10 | 6.35 | 7.54 | 2.38 |
| | 1 | 9 | 2.67 | 0.56 | 0.19 | 8 | 2.37 | 0.52 | 0.18 | 10 | 2.40 | 0.74 | 0.23 |
| | 2 | 9 | 6.22 | 0.97 | 0.32 | 8 | 5.87 | 1.19 | 0.42 | 10 | 6.20 | 1.01 | 0.32 |
| | 3 | 10 | 11.20 | 1.30 | 0.41 | 10 | 10.40 | 1.35 | 0.43 | 10 | 10.05 | 1.14 | 0.36 |
| | 4 | 10 | 15.85 | 0.78 | 0.25 | 9 | 15.83 | 1.12 | 0.37 | 9 | 15.33 | 1.00 | 0.33 |
| | 5 | 10 | 21.15 | 1.33 | 0.42 | 10 | 21.90 | 2.14 | 0.68 | 10 | 20.80 | 1.27 | 0.40 |
| | 9 | 10 | 13.25 | 9.27 | 2.93 | 10 | 5.60 | 5.98 | 1.89 | 10 | 6.35 | 7.54 | 2.38 |
| | 1 | 9 | 2.67 | 0.56 | 0.19 | 8 | 2.37 | 0.52 | 0.18 | 10 | 2.40 | 0.74 | 0.23 |
| | 2 | 9 | 6.22 | 0.97 | 0.32 | 8 | 5.87 | 1.19 | 0.42 | 10 | 6.20 | 1.01 | 0.32 |
| | 3 | 10 | 11.20 | 1.30 | 0.41 | 10 | 10.40 | 1.35 | 0.43 | 10 | 10.05 | 1.14 | 0.36 |
| | 4 | 10 | 15.85 | 0.78 | 0.25 | 9 | 15.83 | 1.12 | 0.37 | 9 | 15.33 | 1.00 | 0.33 |
| | 5 | 10 | 21.15 | 1.33 | 0.42 | 10 | 21.90 | 2.14 | 0.68 | 10 | 20.80 | 1.27 | 0.40 |
| | 9 | 10 | 13.25 | 9.27 | 2.93 | 10 | 5.60 | 5.98 | 1.89 | 10 | 6.35 | 7.54 | 2.38 |
| | 1 | 9 | 2.67 | 0.56 | 0.19 | 8 | 2.37 | 0.52 | 0.18 | 10 | 2.40 | 0.74 | 0.23 |
| | 2 | 9 | 6.22 | 0.97 | 0.32 | 8 | 5.87 | 1.19 | 0.42 | 10 | 6.20 | 1.01 | 0.32 |
| | 3 | 10 | 11.20 | 1.30 | 0.41 | 10 | 10.40 | 1.35 | 0.43 | 10 | 10.05 | 1.14 | 0.36 |
| | 4 | 10 | 15.85 | 0.78 | 0.25 | 9 | 15.83 | 1.12 | 0.37 | 9 | 15.33 | 1.00 | 0.33 |
| | 5 | 10 | 21.15 | 1.33 | 0.42 | 10 | 21.90 | 2.14 | 0.68 | 10 | 20.80 | 1.27 | 0.40 |
| | 9 | 10 | 13.25 | 9.27 | 2.93 | 10 | 5.60 | 5.98 | 1.89 | 10 | 6.35 | 7.54 | 2.38 |
| | 1 | 9 | 2.67 | 0.56 | 0.19 | 8 | 2.37 | 0.52 | 0.18 | 10 | 2.40 | 0.74 | 0.23 |
| | 2 | 9 | 6.22 | 0.97 | 0.32 | 8 | 5.87 | 1.19 | 0.42 | 10 | 6.20 | 1.01 | 0.32 |
| | 3 | 10 | 11.20 | 1.30 | 0.41 | 10 | 10.40 | 1.35 | 0.43 | 10 | 10.05 | 1.14 | 0.36 |
| | 4 | 10 | 15.85 | 0.78 | 0.25 | 9 | 15.83 | 1.12 | 0.37 | 9 | 15.33 | 1.00 | 0.33 |
| | 5 | 10 | 21.15 | 1.33 | 0.42 | 10 | 21.90 | 2.14 | 0.68 | 10 | 20.80 | 1.27 | 0.40 |
| | 9 | 10 | 13.25 | 9.27 | 2.93 | 10 | 5.60 | 5.98 | 1.89 | 10 | 6.35 | 7.54 | 2.38 |
| | 1 | 9 | 2.67 | 0.56 | 0.19 | 8 | 2.37 | 0.52 | 0.18 | 10 | 2.40 | 0.74 | 0.23 |
| | 2 | 9 | 6.22 | 0.97 | 0.32 | 8 | 5.87 | 1.19 | 0.42 | 10 | 6.20 | 1.01 | 0.32 |
| | 3 | 10 | 11.20 | 1.30 | 0.41 | 10 | 10.40 | 1.35 | 0.43 | 10 | 10.05 | 1.14 | 0.36 |
| | 4 | 10 | 15.85 | 0.78 | 0.25 | 9 | 15.83 | 1.12 | 0.37 | 9 | 15.33 | 1.00 | 0.33 |
| | 5 | 10 | 21.15 | 1.33 | 0.42 | 10 | 21.90 | 2.14 | 0.68 | 10 | 20.80 | 1.27 | 0.40 |
| | 9 | 10 | 13.25 | 9.27 | 2.93 | 10 | 5.60 | 5.98 | 1.89 | 10 | 6.35 | 7.54 | 2.38 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | | | | | |
| Baseline | 1 | 6 | 2.00 | 0.84 | 0.34 | 8 | 3.00 | 0.53 | 0.19 | 9 | 2.61 | 0.60 | 0.20 | 3 | 2.54 | 0.50 | 0.29 |
| | 2 | 10 | 5.80 | 0.59 | 0.19 | 9 | 5.67 | 1.20 | 0.40 | 10 | 6.40 | 0.84 | 0.27 | 3 | 5.96 | 0.39 | 0.23 |
| | 3 | 10 | 11.55 | 0.69 | 0.22 | 10 | 10.65 | 0.91 | 0.29 | 10 | 10.45 | 0.98 | 0.31 | 3 | 10.88 | 0.59 | 0.34 |
| | 4 | 10 | 14.85 | 1.08 | 0.34 | 10 | 15.60 | 1.29 | 0.41 | 10 | 15.70 | 1.51 | 0.48 | 3 | 15.38 | 0.46 | 0.27 |
| | 5 | 9 | 21.22 | 2.32 | 0.77 | 10 | 21.85 | 1.75 | 0.55 | 10 | 21.10 | 2.09 | 0.66 | 3 | 21.39 | 0.40 | 0.23 |
| | 9 | 10 | 13.65 | 7.98 | 2.52 | 10 | 8.65 | 6.31 | 1.99 | 10 | 9.70 | 7.92 | 2.50 | 3 | 10.67 | 2.64 | 1.52 |
| 30-Minute | 1 | 8 | 2.06 | 0.82 | 0.29 | 5 | 2.10 | 0.89 | 0.40 | 6 | 2.00 | 0.71 | 0.29 | 3 | 2.05 | 0.05 | 0.03 |
| | 2 | 10 | 6.00 | 0.78 | 0.25 | 8 | 6.06 | 0.73 | 0.26 | 10 | 5.60 | 1.02 | 0.32 | 3 | 5.89 | 0.25 | 0.14 |
| | 3 | 10 | 11.55 | 0.86 | 0.27 | 10 | 10.45 | 1.34 | 0.42 | 10 | 11.10 | 0.88 | 0.28 | 3 | 11.03 | 0.55 | 0.32 |
| | 4 | 9 | 16.33 | 1.06 | 0.35 | 10 | 16.15 | 1.00 | 0.32 | 8 | 16.06 | 1.15 | 0.41 | 3 | 16.18 | 0.14 | 0.08 |
| | 5 | 10 | 21.60 | 1.96 | 0.62 | 10 | 21.35 | 2.10 | 0.66 | 10 | 21.40 | 2.04 | 0.64 | 3 | 21.45 | 0.13 | 0.08 |
| | 9 | 10 | 5.25 | 6.91 | 2.18 | 10 | 14.00 | 10.02 | 3.17 | 10 | 4.15 | 3.05 | 0.96 | 3 | 7.80 | 5.40 | 3.12 |
| 90-Minute | 1 | 8 | 2.62 | 0.44 | 0.16 | 6 | 2.83 | 0.75 | 0.31 | 6 | 2.33 | 0.82 | 0.33 | 3 | 2.60 | 0.25 | 0.15 |
| | 2 | 9 | 5.78 | 0.79 | 0.26 | 10 | 5.35 | 0.53 | 0.17 | 10 | 6.00 | 0.91 | 0.29 | 3 | 5.71 | 0.33 | 0.19 |
| | 3 | 10 | 10.75 | 1.30 | 0.41 | 9 | 11.22 | 1.09 | 0.36 | 10 | 11.45 | 0.72 | 0.23 | 3 | 11.14 | 0.36 | 0.21 |
| | 4 | 10 | 15.65 | 1.31 | 0.42 | 8 | 16.31 | 1.10 | 0.39 | 10 | 15.45 | 1.44 | 0.46 | 3 | 15.80 | 0.45 | 0.26 |
| | 5 | 10 | 21.15 | 1.60 | 0.51 | 10 | 20.75 | 2.14 | 0.68 | 10 | 20.90 | 1.37 | 0.43 | 3 | 20.93 | 0.20 | 0.12 |
| | 9 | 10 | 9.45 | 7.88 | 2.49 | 10 | 8.55 | 7.46 | 2.36 | 10 | 6.05 | 5.53 | 1.75 | 3 | 8.02 | 1.76 | 1.02 |
| 300-Minute | 1 | 8 | 2.00 | 0.65 | 0.23 | 5 | 2.50 | 0.71 | 0.32 | 8 | 2.06 | 0.50 | 0.18 | 3 | 2.19 | 0.27 | 0.16 |
| | 2 | 10 | 5.65 | 0.94 | 0.30 | 8 | 5.25 | 0.60 | 0.21 | 9 | 5.89 | 0.82 | 0.27 | 3 | 5.60 | 0.32 | 0.19 |
| | 3 | 10 | 11.00 | 1.00 | 0.32 | 10 | 11.00 | 0.88 | 0.28 | 9 | 9.89 | 1.05 | 0.35 | 3 | 10.63 | 0.64 | 0.37 |
| | 4 | 10 | 16.05 | 1.19 | 0.38 | 8 | 14.88 | 1.33 | 0.47 | 9 | 15.94 | 1.53 | 0.51 | 3 | 15.62 | 0.65 | 0.38 |
| | 5 | 10 | 21.47 | 2.08 | 0.66 | 10 | 21.45 | 1.86 | 0.59 | 10 | 21.20 | 1.38 | 0.44 | 3 | 21.37 | 0.15 | 0.09 |
| | 9 | 10 | 6.02 | 6.72 | 2.12 | 10 | 5.35 | 5.68 | 1.80 | 10 | 3.15 | 1.92 | 0.61 | 3 | 4.84 | 1.50 | 0.87 |
| 600-Minute | 1 | 7 | 2.29 | 0.57 | 0.21 | 6 | 2.33 | 0.68 | 0.28 | 7 | 2.14 | 0.63 | 0.24 | 3 | 2.25 | 0.10 | 0.06 |
| | 2 | 10 | 5.95 | 1.01 | 0.32 | 10 | 5.95 | 0.96 | 0.30 | 8 | 6.19 | 1.00 | 0.35 | 3 | 6.03 | 0.14 | 0.08 |
| | 3 | 10 | 10.80 | 1.21 | 0.38 | 10 | 10.65 | 1.36 | 0.43 | 10 | 10.85 | 1.18 | 0.37 | 3 | 10.77 | 0.10 | 0.06 |
| | 4 | 10 | 15.95 | 0.93 | 0.29 | 10 | 16.00 | 1.37 | 0.43 | 9 | 15.33 | 1.25 | 0.42 | 3 | 15.76 | 0.37 | 0.21 |
| | 5 | 10 | 20.95 | 2.01 | 0.63 | 9 | 21.67 | 1.87 | 0.62 | 9 | 22.67 | 2.12 | 0.71 | 3 | 21.76 | 0.86 | 0.50 |
| | 9 | 10 | 15.30 | 7.79 | 2.46 | 10 | 11.25 | 8.56 | 2.71 | 10 | 10.30 | 9.74 | 3.08 | 3 | 12.28 | 2.66 | 1.53 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Peak Frequency
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 2.30 | 0.63 | 0.20 | 8 | 3.06 | 0.82 | 0.29 | 7 | 2.64 | 0.75 | 0.28 |
| | 2 | 8 | 5.81 | 1.19 | 0.42 | 10 | 5.75 | 0.86 | 0.27 | 10 | 5.95 | 1.14 | 0.36 |
| | 3 | 10 | 11.30 | 0.71 | 0.23 | 10 | 10.40 | 1.26 | 0.40 | 10 | 10.85 | 1.40 | 0.44 |
| | 4 | 10 | 15.95 | 1.28 | 0.40 | 8 | 15.44 | 1.68 | 0.59 | 10 | 16.00 | 1.51 | 0.48 |
| | 5 | 10 | 20.85 | 1.36 | 0.43 | 10 | 21.00 | 1.49 | 0.47 | 10 | 21.40 | 1.78 | 0.56 |
| 30-Minute | 9 | 10 | 5.60 | 5.49 | 1.73 | 10 | 8.30 | 5.55 | 1.76 | 10 | 6.70 | 4.35 | 1.38 |
| | 1 | 9 | 2.22 | 0.71 | 0.24 | 7 | 2.14 | 0.75 | 0.28 | 7 | 2.21 | 0.81 | 0.31 |
| | 2 | 10 | 6.40 | 0.77 | 0.24 | 9 | 6.28 | 0.71 | 0.24 | 10 | 6.10 | 1.05 | 0.33 |
| | 3 | 10 | 10.55 | 1.17 | 0.37 | 9 | 10.44 | 1.18 | 0.39 | 9 | 11.39 | 0.78 | 0.26 |
| | 4 | 9 | 16.78 | 1.00 | 0.33 | 9 | 15.00 | 1.20 | 0.40 | 9 | 15.00 | 1.17 | 0.39 |
| 90-Minute | 5 | 10 | 21.30 | 1.69 | 0.53 | 10 | 21.25 | 1.98 | 0.62 | 10 | 21.30 | 1.86 | 0.59 |
| | 9 | 10 | 2.95 | 2.40 | 0.76 | 10 | 6.65 | 6.32 | 2.00 | 10 | 4.00 | 2.67 | 0.84 |
| | 1 | 8 | 2.75 | 0.60 | 0.21 | 10 | 2.25 | 0.68 | 0.21 | 9 | 2.56 | 0.77 | 0.26 |
| | 2 | 10 | 5.90 | 1.07 | 0.34 | 10 | 5.65 | 0.63 | 0.20 | 10 | 5.95 | 0.90 | 0.28 |
| | 3 | 10 | 11.30 | 1.14 | 0.36 | 10 | 10.45 | 1.26 | 0.40 | 9 | 10.94 | 1.07 | 0.36 |
| 300-Minute | 4 | 10 | 16.10 | 1.17 | 0.37 | 10 | 16.00 | 1.18 | 0.37 | 10 | 14.70 | 1.32 | 0.42 |
| | 5 | 10 | 22.70 | 1.84 | 0.58 | 10 | 21.00 | 1.56 | 0.49 | 10 | 21.95 | 1.91 | 0.60 |
| | 9 | 10 | 7.05 | 7.53 | 2.38 | 10 | 2.75 | 1.38 | 0.44 | 10 | 3.25 | 1.75 | 0.55 |
| | 1 | 6 | 2.42 | 0.58 | 0.24 | 8 | 2.25 | 0.65 | 0.23 | 10 | 2.40 | 0.66 | 0.21 |
| | 2 | 10 | 5.75 | 1.09 | 0.34 | 9 | 5.50 | 0.79 | 0.26 | 9 | 5.72 | 0.75 | 0.25 |
| 600-Minute | 3 | 10 | 10.30 | 1.01 | 0.32 | 10 | 11.05 | 1.30 | 0.41 | 10 | 10.70 | 1.18 | 0.37 |
| | 4 | 10 | 15.30 | 1.42 | 0.45 | 10 | 15.70 | 1.40 | 0.44 | 10 | 15.35 | 1.31 | 0.42 |
| | 5 | 10 | 21.25 | 2.25 | 0.71 | 10 | 22.25 | 1.59 | 0.50 | 10 | 21.95 | 1.99 | 0.63 |
| | 9 | 10 | 7.40 | 7.32 | 2.32 | 10 | 3.65 | 3.14 | 0.99 | 10 | 2.40 | 0.66 | 0.21 |
| | 1 | 7 | 2.93 | 0.53 | 0.20 | 4 | 2.25 | 0.87 | 0.43 | 9 | 2.11 | 0.55 | 0.18 |
| | 2 | 5 | 5.50 | 1.00 | 0.45 | 9 | 5.83 | 0.90 | 0.30 | 8 | 6.50 | 1.28 | 0.45 |
| | 3 | 7 | 11.43 | 1.40 | 0.53 | 9 | 10.28 | 1.39 | 0.46 | 9 | 11.33 | 0.97 | 0.32 |
| | 4 | 10 | 15.70 | 1.36 | 0.43 | 9 | 15.94 | 1.21 | 0.40 | 9 | 16.22 | 1.46 | 0.49 |
| | 5 | 10 | 22.00 | 2.32 | 0.73 | 9 | 22.83 | 1.73 | 0.58 | 10 | 20.85 | 1.51 | 0.48 |
| | 9 | 10 | 9.35 | 7.28 | 2.30 | 10 | 9.45 | 7.22 | 2.28 | 10 | 6.20 | 7.89 | 2.49 |
| | 1 | 3 | 2.43 | 0.44 | 0.15 | 3 | 2.43 | 0.44 | 0.15 | 3 | 2.43 | 0.44 | 0.15 |
| | 2 | 3 | 5.94 | 0.51 | 0.29 | 3 | 5.94 | 0.51 | 0.29 | 3 | 5.94 | 0.51 | 0.29 |
| | 3 | 3 | 11.01 | 0.64 | 0.37 | 3 | 11.01 | 0.64 | 0.37 | 3 | 11.01 | 0.64 | 0.37 |
| | 4 | 3 | 15.96 | 0.26 | 0.15 | 3 | 15.96 | 0.26 | 0.15 | 3 | 15.96 | 0.26 | 0.15 |
| | 5 | 3 | 21.89 | 1.00 | 0.57 | 3 | 21.89 | 1.00 | 0.57 | 3 | 21.89 | 1.00 | 0.57 |
| | 9 | 3 | 8.33 | 1.85 | 1.07 | 3 | 8.33 | 1.85 | 1.07 | 3 | 8.33 | 1.85 | 1.07 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 2.21 | 0.28 | 0.09 | 10 | 1.98 | 0.38 | 0.12 | 10 | 2.17 | 0.29 | 0.09 |
| | 2 | 10 | 5.56 | 0.23 | 0.07 | 10 | 5.60 | 0.27 | 0.08 | 10 | 5.78 | 0.37 | 0.12 |
| | 3 | 10 | 10.35 | 0.30 | 0.10 | 10 | 10.51 | 0.35 | 0.11 | 10 | 10.39 | 0.36 | 0.11 |
| | 4 | 10 | 14.93 | 0.59 | 0.19 | 10 | 15.52 | 0.36 | 0.11 | 10 | 15.31 | 0.35 | 0.11 |
| | 5 | 10 | 21.13 | 0.73 | 0.23 | 10 | 20.81 | 0.33 | 0.11 | 10 | 21.01 | 0.54 | 0.17 |
| 30-Minute | 9 | 10 | 9.94 | 1.60 | 0.51 | 10 | 11.34 | 1.87 | 0.59 | 10 | 10.88 | 2.07 | 0.65 |
| | 1 | 10 | 2.11 | 0.25 | 0.08 | 10 | 1.98 | 0.35 | 0.11 | 10 | 1.87 | 0.37 | 0.12 |
| | 2 | 10 | 5.66 | 0.21 | 0.07 | 10 | 5.75 | 0.27 | 0.08 | 10 | 5.44 | 0.29 | 0.09 |
| | 3 | 10 | 10.24 | 0.50 | 0.16 | 10 | 10.29 | 0.42 | 0.13 | 10 | 10.08 | 0.34 | 0.11 |
| | 4 | 10 | 15.34 | 0.40 | 0.13 | 10 | 15.23 | 0.54 | 0.17 | 10 | 15.02 | 0.51 | 0.16 |
| 90-Minute | 5 | 10 | 21.07 | 0.45 | 0.14 | 10 | 21.38 | 0.60 | 0.19 | 10 | 21.26 | 0.80 | 0.25 |
| | 9 | 10 | 9.40 | 2.51 | 0.79 | 10 | 7.93 | 1.35 | 0.43 | 10 | 7.17 | 1.93 | 0.61 |
| | 1 | 10 | 2.01 | 0.20 | 0.06 | 10 | 2.10 | 0.37 | 0.12 | 10 | 2.03 | 0.37 | 0.12 |
| | 2 | 10 | 5.52 | 0.26 | 0.08 | 10 | 5.28 | 0.31 | 0.10 | 10 | 5.37 | 0.34 | 0.11 |
| | 3 | 10 | 10.43 | 0.49 | 0.16 | 10 | 10.07 | 0.44 | 0.14 | 10 | 10.22 | 0.51 | 0.16 |
| 300-Minute | 4 | 10 | 15.21 | 0.38 | 0.12 | 10 | 15.10 | 0.47 | 0.15 | 10 | 14.75 | 0.22 | 0.07 |
| | 5 | 10 | 21.21 | 0.48 | 0.15 | 10 | 21.40 | 0.58 | 0.18 | 10 | 21.52 | 0.44 | 0.14 |
| | 9 | 10 | 8.18 | 1.67 | 0.53 | 10 | 7.25 | 1.44 | 0.46 | 10 | 7.78 | 1.06 | 0.34 |
| | 1 | 10 | 2.01 | 0.24 | 0.08 | 10 | 1.96 | 0.32 | 0.10 | 10 | 2.06 | 0.31 | 0.10 |
| | 2 | 10 | 5.44 | 0.26 | 0.08 | 10 | 5.37 | 0.26 | 0.08 | 10 | 5.51 | 0.34 | 0.11 |
| 600-Minute | 3 | 10 | 10.00 | 0.41 | 0.13 | 10 | 10.16 | 0.46 | 0.14 | 10 | 10.04 | 0.46 | 0.15 |
| | 4 | 10 | 15.28 | 0.34 | 0.11 | 10 | 15.34 | 0.42 | 0.13 | 10 | 15.07 | 0.35 | 0.11 |
| | 5 | 10 | 21.20 | 0.56 | 0.18 | 10 | 21.06 | 0.56 | 0.18 | 10 | 21.13 | 0.57 | 0.18 |
| | 9 | 10 | 7.83 | 1.75 | 0.55 | 10 | 7.85 | 2.26 | 0.71 | 10 | 6.88 | 1.23 | 0.39 |
| | 1 | 10 | 1.92 | 0.32 | 0.10 | 10 | 2.01 | 0.16 | 0.05 | 10 | 2.13 | 0.22 | 0.07 |
| | 2 | 10 | 5.65 | 0.34 | 0.11 | 10 | 5.52 | 0.35 | 0.11 | 10 | 5.49 | 0.32 | 0.10 |
| | 3 | 10 | 10.19 | 0.39 | 0.12 | 10 | 10.21 | 0.42 | 0.13 | 10 | 9.96 | 0.25 | 0.08 |
| | 4 | 10 | 15.54 | 0.39 | 0.12 | 10 | 14.98 | 0.55 | 0.17 | 10 | 15.28 | 0.37 | 0.12 |
| | 5 | 10 | 21.23 | 0.45 | 0.14 | 10 | 20.95 | 0.34 | 0.11 | 10 | 21.06 | 0.32 | 0.10 |
| | 9 | 10 | 11.33 | 0.95 | 0.30 | 10 | 8.52 | 1.14 | 0.36 | 10 | 9.30 | 2.47 | 0.78 |
| | 1 | 10 | 2.02 | 0.10 | 0.07 | 10 | 2.02 | 0.10 | 0.07 | 10 | 2.02 | 0.10 | 0.06 |
| | 2 | 10 | 5.55 | 0.08 | 0.05 | 10 | 5.55 | 0.08 | 0.05 | 10 | 5.55 | 0.08 | 0.05 |
| | 3 | 10 | 10.12 | 0.14 | 0.08 | 10 | 10.12 | 0.14 | 0.08 | 10 | 10.12 | 0.14 | 0.08 |
| | 4 | 10 | 15.26 | 0.28 | 0.16 | 10 | 15.26 | 0.28 | 0.16 | 10 | 15.26 | 0.28 | 0.16 |
| | 5 | 10 | 21.08 | 0.14 | 0.08 | 10 | 21.08 | 0.14 | 0.08 | 10 | 21.08 | 0.14 | 0.08 |
| | 9 | 10 | 9.72 | 1.45 | 0.84 | 10 | 9.72 | 1.45 | 0.84 | 10 | 9.72 | 1.45 | 0.84 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
CHANNEL = 4

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|---|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 2.31 | 0.21 | 0.07 | 10 | 2.15 | 0.27 | 0.08 | 10 | 2.15 | 0.28 | 0.09 | 3 | 2.20 | 0.09 | 0.05 |
| | 2 | 10 | 5.60 | 0.18 | 0.06 | 10 | 5.54 | 0.31 | 0.10 | 10 | 5.65 | 0.40 | 0.13 | 3 | 5.60 | 0.06 | 0.03 |
| | 3 | 10 | 10.44 | 0.32 | 0.10 | 10 | 10.38 | 0.46 | 0.14 | 10 | 10.18 | 0.40 | 0.13 | 3 | 10.33 | 0.14 | 0.08 |
| | 4 | 10 | 15.15 | 0.48 | 0.15 | 10 | 15.38 | 0.32 | 0.10 | 10 | 14.94 | 0.42 | 0.13 | 3 | 15.16 | 0.22 | 0.13 |
| | 5 | 10 | 20.92 | 0.29 | 0.09 | 10 | 20.96 | 0.70 | 0.22 | 10 | 21.41 | 0.57 | 0.18 | 3 | 21.10 | 0.27 | 0.16 |
| 30-Minute | 9 | 10 | 11.07 | 1.75 | 0.55 | 10 | 10.72 | 1.61 | 0.51 | 10 | 10.84 | 1.43 | 0.45 | 3 | 10.88 | 0.18 | 0.10 |
| | 1 | 10 | 1.95 | 0.37 | 0.12 | 10 | 2.02 | 0.24 | 0.07 | 10 | 1.85 | 0.23 | 0.07 | 3 | 1.94 | 0.09 | 0.05 |
| | 2 | 10 | 5.63 | 0.25 | 0.08 | 10 | 5.58 | 0.21 | 0.07 | 10 | 5.35 | 0.25 | 0.08 | 3 | 5.52 | 0.15 | 0.09 |
| | 3 | 10 | 10.38 | 0.37 | 0.12 | 10 | 10.04 | 0.45 | 0.14 | 10 | 10.13 | 0.36 | 0.11 | 3 | 10.18 | 0.18 | 0.10 |
| | 4 | 10 | 15.38 | 0.45 | 0.14 | 10 | 15.32 | 0.37 | 0.12 | 10 | 15.12 | 0.33 | 0.11 | 3 | 15.28 | 0.14 | 0.08 |
| 90-Minute | 5 | 10 | 20.98 | 0.54 | 0.17 | 10 | 21.09 | 0.34 | 0.11 | 10 | 21.19 | 0.37 | 0.12 | 3 | 21.08 | 0.11 | 0.06 |
| | 9 | 10 | 9.14 | 2.54 | 0.80 | 10 | 8.80 | 2.63 | 0.83 | 10 | 7.12 | 1.45 | 0.46 | 3 | 8.35 | 1.08 | 0.63 |
| | 1 | 10 | 2.02 | 0.48 | 0.15 | 10 | 1.78 | 0.37 | 0.12 | 10 | 2.04 | 0.29 | 0.09 | 3 | 1.95 | 0.15 | 0.08 |
| | 2 | 10 | 5.38 | 0.41 | 0.13 | 10 | 5.34 | 0.36 | 0.11 | 10 | 5.54 | 0.50 | 0.16 | 3 | 5.42 | 0.11 | 0.06 |
| | 3 | 10 | 10.33 | 0.44 | 0.14 | 10 | 10.07 | 0.20 | 0.06 | 10 | 9.97 | 0.48 | 0.15 | 3 | 10.12 | 0.18 | 0.11 |
| 300-Minute | 4 | 10 | 15.51 | 0.33 | 0.10 | 10 | 15.24 | 0.38 | 0.12 | 10 | 15.04 | 0.39 | 0.12 | 3 | 15.26 | 0.23 | 0.14 |
| | 5 | 10 | 20.99 | 0.38 | 0.12 | 10 | 21.05 | 0.78 | 0.25 | 10 | 21.39 | 0.49 | 0.15 | 3 | 21.15 | 0.22 | 0.13 |
| | 9 | 10 | 7.80 | 0.79 | 0.25 | 10 | 7.22 | 1.95 | 0.62 | 10 | 7.32 | 1.64 | 0.52 | 3 | 7.45 | 0.31 | 0.18 |
| | 1 | 10 | 2.08 | 0.32 | 0.10 | 10 | 1.98 | 0.36 | 0.11 | 10 | 1.95 | 0.23 | 0.07 | 3 | 2.00 | 0.07 | 0.04 |
| | 2 | 10 | 5.51 | 0.53 | 0.17 | 10 | 5.37 | 0.34 | 0.11 | 10 | 5.36 | 0.32 | 0.10 | 3 | 5.41 | 0.08 | 0.05 |
| 600-Minute | 3 | 10 | 10.01 | 0.33 | 0.11 | 10 | 10.27 | 0.40 | 0.13 | 10 | 10.07 | 0.53 | 0.17 | 3 | 10.12 | 0.13 | 0.08 |
| | 4 | 10 | 15.30 | 0.52 | 0.16 | 10 | 15.19 | 0.21 | 0.07 | 10 | 15.15 | 0.33 | 0.10 | 3 | 15.21 | 0.08 | 0.05 |
| | 5 | 10 | 21.09 | 0.37 | 0.12 | 10 | 21.13 | 0.30 | 0.09 | 10 | 21.22 | 0.57 | 0.18 | 3 | 21.15 | 0.06 | 0.04 |
| | 9 | 10 | 7.27 | 1.95 | 0.62 | 10 | 7.54 | 2.33 | 0.74 | 10 | 6.46 | 1.76 | 0.56 | 3 | 7.09 | 0.56 | 0.32 |
| | 1 | 10 | 2.04 | 0.31 | 0.10 | 10 | 1.95 | 0.19 | 0.06 | 10 | 2.11 | 0.28 | 0.09 | 3 | 2.03 | 0.08 | 0.04 |
| | 2 | 10 | 5.45 | 0.32 | 0.10 | 10 | 5.48 | 0.36 | 0.11 | 10 | 5.50 | 0.34 | 0.11 | 3 | 5.48 | 0.02 | 0.01 |
| | 3 | 10 | 10.51 | 0.58 | 0.18 | 10 | 10.12 | 0.33 | 0.11 | 10 | 9.96 | 0.44 | 0.14 | 3 | 10.20 | 0.29 | 0.16 |
| | 4 | 10 | 15.39 | 0.42 | 0.13 | 10 | 15.23 | 0.34 | 0.11 | 10 | 15.51 | 0.46 | 0.15 | 3 | 15.37 | 0.14 | 0.08 |
| | 5 | 10 | 21.34 | 0.47 | 0.15 | 10 | 21.37 | 0.43 | 0.13 | 10 | 21.12 | 0.35 | 0.11 | 3 | 21.28 | 0.13 | 0.08 |
| | 9 | 10 | 10.95 | 1.85 | 0.59 | 10 | 8.53 | 1.66 | 0.52 | 10 | 8.77 | 2.52 | 0.80 | 3 | 9.42 | 1.33 | 0.77 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
CHANNEL = 1

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | S.E. |
|------------|------------|--------------|-------|------|---------------|----|-------|---------------|------|----|------------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | |
| Baseline | 1 | 10 | 2.03 | 0.35 | 0.11 | 10 | 2.09 | 0.31 | 0.10 | 10 | 2.14 | 0.22 | 0.07 |
| | 2 | 10 | 5.66 | 0.13 | 0.04 | 10 | 5.56 | 0.22 | 0.07 | 10 | 5.85 | 0.33 | 0.10 |
| | 3 | 10 | 10.69 | 0.52 | 0.16 | 10 | 10.37 | 0.28 | 0.09 | 10 | 10.43 | 0.56 | 0.18 |
| | 4 | 10 | 15.04 | 0.43 | 0.14 | 10 | 15.34 | 0.22 | 0.07 | 10 | 15.14 | 0.48 | 0.15 |
| | 5 | 10 | 21.06 | 0.59 | 0.19 | 10 | 21.36 | 0.59 | 0.19 | 10 | 21.07 | 0.64 | 0.20 |
| 30-Minute | 9 | 10 | 12.01 | 2.74 | 0.87 | 10 | 11.68 | 1.60 | 0.51 | 10 | 11.63 | 1.75 | 0.55 |
| | 1 | 10 | 1.73 | 0.25 | 0.08 | 10 | 1.92 | 0.24 | 0.07 | 10 | 1.72 | 0.16 | 0.05 |
| | 2 | 10 | 5.81 | 0.25 | 0.08 | 10 | 5.56 | 0.33 | 0.10 | 10 | 5.40 | 0.30 | 0.09 |
| | 3 | 10 | 10.41 | 0.33 | 0.10 | 10 | 10.23 | 0.46 | 0.15 | 10 | 10.23 | 0.44 | 0.14 |
| | 4 | 10 | 15.39 | 0.49 | 0.15 | 10 | 15.30 | 0.26 | 0.08 | 10 | 15.05 | 0.64 | 0.20 |
| 90-Minute | 5 | 10 | 21.26 | 0.44 | 0.14 | 10 | 21.12 | 0.47 | 0.15 | 10 | 21.18 | 0.37 | 0.12 |
| | 9 | 10 | 8.06 | 3.27 | 1.03 | 10 | 9.50 | 4.52 | 1.43 | 10 | 5.20 | 1.30 | 0.41 |
| | 1 | 10 | 2.02 | 0.37 | 0.12 | 10 | 1.78 | 0.36 | 0.11 | 10 | 1.83 | 0.26 | 0.08 |
| | 2 | 10 | 5.69 | 0.26 | 0.08 | 10 | 5.47 | 0.20 | 0.06 | 10 | 5.59 | 0.41 | 0.13 |
| | 3 | 10 | 10.38 | 0.47 | 0.15 | 10 | 10.37 | 0.32 | 0.10 | 10 | 10.36 | 0.39 | 0.12 |
| 300-Minute | 4 | 10 | 15.33 | 0.50 | 0.16 | 10 | 15.07 | 0.40 | 0.13 | 10 | 15.12 | 0.44 | 0.14 |
| | 5 | 10 | 21.03 | 0.44 | 0.14 | 10 | 21.00 | 0.63 | 0.20 | 10 | 21.03 | 0.37 | 0.12 |
| | 9 | 10 | 10.97 | 2.28 | 0.72 | 10 | 7.93 | 2.96 | 0.94 | 10 | 6.79 | 1.75 | 0.55 |
| | 1 | 10 | 1.95 | 0.24 | 0.08 | 10 | 1.75 | 0.29 | 0.09 | 10 | 1.80 | 0.22 | 0.07 |
| | 2 | 10 | 5.74 | 0.32 | 0.10 | 10 | 5.39 | 0.27 | 0.08 | 10 | 5.54 | 0.21 | 0.07 |
| 600-Minute | 3 | 10 | 10.15 | 0.43 | 0.14 | 10 | 10.32 | 0.58 | 0.18 | 10 | 10.28 | 0.34 | 0.11 |
| | 4 | 10 | 15.24 | 0.54 | 0.17 | 10 | 14.64 | 0.74 | 0.24 | 10 | 15.27 | 0.60 | 0.19 |
| | 5 | 10 | 21.30 | 0.62 | 0.20 | 10 | 21.24 | 0.48 | 0.15 | 10 | 20.97 | 0.32 | 0.10 |
| | 9 | 10 | 9.26 | 2.14 | 0.68 | 10 | 7.94 | 2.78 | 0.88 | 10 | 7.23 | 2.22 | 0.70 |
| | 1 | 10 | 2.01 | 0.37 | 0.12 | 10 | 1.79 | 0.39 | 0.12 | 10 | 1.86 | 0.20 | 0.06 |
| | 2 | 10 | 5.59 | 0.29 | 0.09 | 10 | 5.61 | 0.46 | 0.14 | 10 | 5.50 | 0.37 | 0.12 |
| | 3 | 10 | 10.26 | 0.37 | 0.12 | 10 | 10.25 | 0.45 | 0.14 | 10 | 10.15 | 0.29 | 0.09 |
| | 4 | 10 | 15.50 | 0.44 | 0.14 | 10 | 15.27 | 0.59 | 0.19 | 10 | 15.27 | 0.29 | 0.09 |
| | 5 | 10 | 21.22 | 0.48 | 0.15 | 10 | 21.59 | 0.69 | 0.22 | 10 | 21.27 | 0.40 | 0.13 |
| | 9 | 10 | 12.09 | 1.52 | 0.48 | 10 | 9.00 | 2.90 | 0.92 | 10 | 8.66 | 4.06 | 1.28 |
| | 1 | 10 | 1.89 | 0.11 | 0.07 | 10 | 1.89 | 0.11 | 0.07 | 10 | 1.89 | 0.11 | 0.07 |
| | 2 | 10 | 5.57 | 0.05 | 0.03 | 10 | 5.57 | 0.05 | 0.03 | 10 | 5.57 | 0.05 | 0.03 |
| | 3 | 10 | 10.22 | 0.06 | 0.04 | 10 | 10.22 | 0.06 | 0.04 | 10 | 10.22 | 0.06 | 0.04 |
| | 4 | 10 | 15.35 | 0.13 | 0.08 | 10 | 15.35 | 0.13 | 0.08 | 10 | 15.35 | 0.13 | 0.08 |
| | 5 | 10 | 21.36 | 0.20 | 0.11 | 10 | 21.36 | 0.20 | 0.11 | 10 | 21.36 | 0.20 | 0.11 |
| | 9 | 10 | 9.91 | 1.89 | 1.09 | 10 | 9.91 | 1.89 | 1.09 | 10 | 9.91 | 1.89 | 1.09 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Mean Frequency
CHANNEL = 2

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | | | | | |
|------------|------------|--------------|-------|------|---------------|-------|-------|---------------|------|-------|------------|------|------|-------|-------|------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | | | | |
| Baseline | 1 | 10 | 2.10 | 0.19 | 0.06 | 10 | 2.10 | 0.32 | 0.10 | 10 | 2.18 | 0.29 | 0.09 | 3 | 2.12 | 0.05 | 0.03 |
| | 2 | 10 | 5.60 | 0.34 | 0.11 | 10 | 5.58 | 0.30 | 0.10 | 10 | 5.79 | 0.30 | 0.09 | 3 | 5.66 | 0.12 | 0.07 |
| | 3 | 10 | 10.44 | 0.50 | 0.16 | 10 | 10.21 | 0.35 | 0.11 | 10 | 10.16 | 0.51 | 0.16 | 3 | 10.27 | 0.15 | 0.09 |
| | 4 | 10 | 15.10 | 0.68 | 0.21 | 10 | 15.25 | 0.36 | 0.11 | 10 | 15.17 | 0.50 | 0.16 | 3 | 15.17 | 0.08 | 0.04 |
| | 5 | 10 | 20.99 | 0.40 | 0.13 | 10 | 20.87 | 0.40 | 0.13 | 10 | 21.10 | 0.42 | 0.13 | 3 | 20.99 | 0.11 | 0.06 |
| 9 | 10 | 9.73 | 2.01 | 0.64 | 10 | 10.63 | 1.33 | 0.42 | 10 | 10.02 | 1.51 | 0.48 | 3 | 10.13 | 0.46 | 0.27 | |
| 30-Minute | 1 | 10 | 2.03 | 0.34 | 0.11 | 10 | 1.91 | 0.34 | 0.11 | 10 | 1.84 | 0.29 | 0.09 | 3 | 1.93 | 0.10 | 0.06 |
| | 2 | 10 | 5.56 | 0.26 | 0.08 | 10 | 5.66 | 0.37 | 0.12 | 10 | 5.53 | 0.37 | 0.12 | 3 | 5.59 | 0.07 | 0.04 |
| | 3 | 10 | 10.10 | 0.43 | 0.14 | 10 | 10.41 | 0.39 | 0.12 | 10 | 10.26 | 0.28 | 0.09 | 3 | 10.26 | 0.15 | 0.09 |
| | 4 | 10 | 15.53 | 0.26 | 0.08 | 10 | 15.09 | 0.43 | 0.13 | 10 | 15.18 | 0.35 | 0.11 | 3 | 15.27 | 0.23 | 0.14 |
| | 5 | 10 | 21.10 | 0.66 | 0.21 | 10 | 21.12 | 0.45 | 0.14 | 10 | 21.27 | 0.52 | 0.16 | 3 | 21.17 | 0.09 | 0.05 |
| 9 | 10 | 8.32 | 1.81 | 0.57 | 10 | 7.50 | 1.92 | 0.61 | 10 | 6.66 | 1.06 | 0.33 | 3 | 7.49 | 0.83 | 0.48 | |
| 90-Minute | 1 | 10 | 2.03 | 0.38 | 0.12 | 10 | 2.11 | 0.33 | 0.11 | 10 | 2.01 | 0.26 | 0.08 | 3 | 2.05 | 0.05 | 0.03 |
| | 2 | 10 | 5.47 | 0.27 | 0.09 | 10 | 5.51 | 0.22 | 0.07 | 10 | 5.69 | 0.21 | 0.06 | 3 | 5.56 | 0.12 | 0.07 |
| | 3 | 10 | 10.47 | 0.52 | 0.17 | 10 | 10.44 | 0.39 | 0.12 | 10 | 10.18 | 0.66 | 0.21 | 3 | 10.36 | 0.16 | 0.09 |
| | 4 | 10 | 15.29 | 0.34 | 0.11 | 10 | 15.23 | 0.40 | 0.13 | 10 | 14.96 | 0.22 | 0.07 | 3 | 15.16 | 0.17 | 0.10 |
| | 5 | 10 | 21.23 | 0.45 | 0.14 | 10 | 20.95 | 0.45 | 0.14 | 10 | 21.08 | 0.51 | 0.16 | 3 | 21.09 | 0.14 | 0.08 |
| 9 | 10 | 9.19 | 1.96 | 0.62 | 10 | 8.99 | 1.34 | 0.42 | 10 | 7.76 | 1.23 | 0.39 | 3 | 8.65 | 0.78 | 0.45 | |
| 300-Minute | 1 | 10 | 1.79 | 0.23 | 0.07 | 10 | 1.95 | 0.36 | 0.12 | 10 | 2.12 | 0.17 | 0.05 | 3 | 1.95 | 0.16 | 0.09 |
| | 2 | 10 | 5.59 | 0.26 | 0.08 | 10 | 5.39 | 0.32 | 0.10 | 10 | 5.43 | 0.22 | 0.07 | 3 | 5.47 | 0.11 | 0.06 |
| | 3 | 10 | 10.15 | 0.48 | 0.15 | 10 | 10.28 | 0.41 | 0.13 | 10 | 10.36 | 0.36 | 0.12 | 3 | 10.27 | 0.10 | 0.06 |
| | 4 | 10 | 15.06 | 0.41 | 0.13 | 10 | 15.08 | 0.25 | 0.08 | 10 | 15.23 | 0.52 | 0.17 | 3 | 15.12 | 0.09 | 0.05 |
| | 5 | 10 | 21.27 | 0.34 | 0.11 | 10 | 21.14 | 0.30 | 0.09 | 10 | 21.40 | 0.49 | 0.16 | 3 | 21.27 | 0.13 | 0.07 |
| 9 | 10 | 8.12 | 1.09 | 0.34 | 10 | 7.48 | 1.82 | 0.57 | 10 | 8.13 | 1.55 | 0.49 | 3 | 7.91 | 0.38 | 0.22 | |
| 600-Minute | 1 | 10 | 1.65 | 0.25 | 0.08 | 10 | 1.84 | 0.33 | 0.10 | 10 | 2.08 | 0.16 | 0.05 | 3 | 1.86 | 0.22 | 0.12 |
| | 2 | 10 | 5.77 | 0.29 | 0.09 | 10 | 5.51 | 0.31 | 0.10 | 10 | 5.57 | 0.33 | 0.11 | 3 | 5.62 | 0.14 | 0.08 |
| | 3 | 10 | 10.24 | 0.53 | 0.17 | 10 | 10.01 | 0.36 | 0.11 | 10 | 10.27 | 0.41 | 0.13 | 3 | 10.17 | 0.14 | 0.08 |
| | 4 | 10 | 15.15 | 0.41 | 0.13 | 10 | 15.38 | 0.40 | 0.13 | 10 | 15.35 | 0.47 | 0.15 | 3 | 15.30 | 0.13 | 0.07 |
| | 5 | 10 | 21.13 | 0.54 | 0.17 | 10 | 21.35 | 0.47 | 0.15 | 10 | 20.91 | 0.61 | 0.19 | 3 | 21.13 | 0.22 | 0.13 |
| 9 | 10 | 8.69 | 1.51 | 0.48 | 10 | 9.34 | 1.81 | 0.57 | 10 | 9.22 | 3.08 | 0.98 | 3 | 9.08 | 0.35 | 0.20 | |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 3

| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 28.90 | 8.64 | 2.73 | 10 | 26.39 | 8.30 | 2.62 | 10 | 23.80 | 8.54 | 2.70 |
| | 2 | 10 | 17.44 | 8.17 | 2.58 | 10 | 13.61 | 5.08 | 1.61 | 10 | 16.20 | 7.90 | 2.50 |
| | 3 | 10 | 18.38 | 6.43 | 2.03 | 10 | 13.99 | 7.51 | 2.38 | 10 | 20.50 | 5.57 | 1.76 |
| | 4 | 10 | 16.22 | 6.03 | 1.91 | 10 | 18.72 | 5.90 | 1.87 | 10 | 17.78 | 5.80 | 1.83 |
| | 5 | 10 | 19.06 | 7.46 | 2.36 | 10 | 27.28 | 10.35 | 3.27 | 10 | 21.73 | 8.96 | 2.83 |
| 30-Minute | 1 | 10 | 34.99 | 18.54 | 5.86 | 10 | 41.52 | 9.85 | 3.11 | 10 | 48.59 | 15.21 | 4.81 |
| | 2 | 10 | 15.34 | 7.91 | 2.50 | 10 | 18.46 | 6.56 | 2.07 | 10 | 17.56 | 9.14 | 2.89 |
| | 3 | 10 | 16.08 | 6.13 | 1.94 | 10 | 15.57 | 5.87 | 1.86 | 10 | 11.70 | 4.16 | 1.31 |
| | 4 | 10 | 16.21 | 6.55 | 2.07 | 10 | 12.81 | 6.55 | 2.07 | 10 | 10.50 | 5.18 | 1.64 |
| | 5 | 10 | 17.39 | 8.72 | 2.76 | 10 | 11.64 | 4.29 | 1.36 | 10 | 12.25 | 6.18 | 1.95 |
| 90-Minute | 1 | 10 | 42.70 | 12.06 | 3.81 | 10 | 44.59 | 11.22 | 3.55 | 10 | 40.58 | 13.29 | 4.20 |
| | 2 | 10 | 17.49 | 6.53 | 2.06 | 10 | 21.21 | 8.79 | 2.78 | 10 | 20.09 | 7.18 | 2.27 |
| | 3 | 10 | 12.21 | 3.53 | 1.12 | 10 | 12.66 | 4.12 | 1.30 | 10 | 14.51 | 4.10 | 1.30 |
| | 4 | 10 | 12.93 | 5.27 | 1.67 | 10 | 10.35 | 3.28 | 1.04 | 10 | 13.49 | 3.56 | 1.13 |
| | 5 | 10 | 14.66 | 5.57 | 1.76 | 10 | 11.18 | 4.47 | 1.41 | 10 | 11.33 | 2.47 | 0.78 |
| 300-Minute | 1 | 10 | 46.76 | 12.26 | 3.88 | 10 | 48.10 | 18.09 | 5.72 | 10 | 48.90 | 10.95 | 3.46 |
| | 2 | 10 | 16.61 | 6.87 | 2.17 | 10 | 13.33 | 5.75 | 1.82 | 10 | 20.13 | 5.77 | 1.83 |
| | 3 | 10 | 10.53 | 4.75 | 1.50 | 10 | 11.24 | 6.02 | 1.90 | 10 | 11.29 | 4.24 | 1.34 |
| | 4 | 10 | 10.24 | 5.27 | 1.67 | 10 | 11.67 | 4.17 | 1.32 | 10 | 8.69 | 1.91 | 0.60 |
| | 5 | 10 | 15.86 | 7.52 | 2.38 | 10 | 15.66 | 8.00 | 2.53 | 10 | 11.00 | 4.44 | 1.40 |
| 600-Minute | 1 | 10 | 29.40 | 8.15 | 2.58 | 10 | 41.66 | 6.61 | 2.09 | 10 | 38.19 | 15.44 | 4.88 |
| | 2 | 10 | 11.00 | 3.38 | 1.07 | 10 | 14.43 | 6.19 | 1.96 | 10 | 16.35 | 5.45 | 1.72 |
| | 3 | 10 | 12.06 | 6.02 | 1.91 | 10 | 12.87 | 4.55 | 1.44 | 10 | 12.29 | 2.45 | 0.77 |
| | 4 | 10 | 20.76 | 8.05 | 2.54 | 10 | 15.30 | 7.31 | 2.31 | 10 | 10.40 | 3.31 | 1.05 |
| | 5 | 10 | 26.79 | 7.21 | 2.28 | 10 | 15.73 | 5.65 | 1.79 | 10 | 22.77 | 10.44 | 3.30 |
| | 1 | 10 | 36.42 | 6.32 | 2.09 | 10 | 38.19 | 15.44 | 4.88 | 10 | 38.19 | 15.44 | 4.88 |
| | 2 | 10 | 11.00 | 3.38 | 1.07 | 10 | 14.43 | 6.19 | 1.96 | 10 | 16.35 | 5.45 | 1.72 |
| | 3 | 10 | 12.06 | 6.02 | 1.91 | 10 | 12.87 | 4.55 | 1.44 | 10 | 12.29 | 2.45 | 0.77 |
| | 4 | 10 | 20.76 | 8.05 | 2.54 | 10 | 15.30 | 7.31 | 2.31 | 10 | 10.40 | 3.31 | 1.05 |
| | 5 | 10 | 26.79 | 7.21 | 2.28 | 10 | 15.73 | 5.65 | 1.79 | 10 | 22.77 | 10.44 | 3.30 |

SPECTRAL RE-ANALYSIS OF EEG WAVEFORMS IN RHESUS MONKEYS EXPOSED TO ATROPINE
TASK: 89-09
DESCRIPTIVE STATISTICS FOR ANIMAL D275 DOSED WITH 0.2 mg/kg OF ATROPINE IM

PARAMETER = Percent Power
CHANNEL = 4

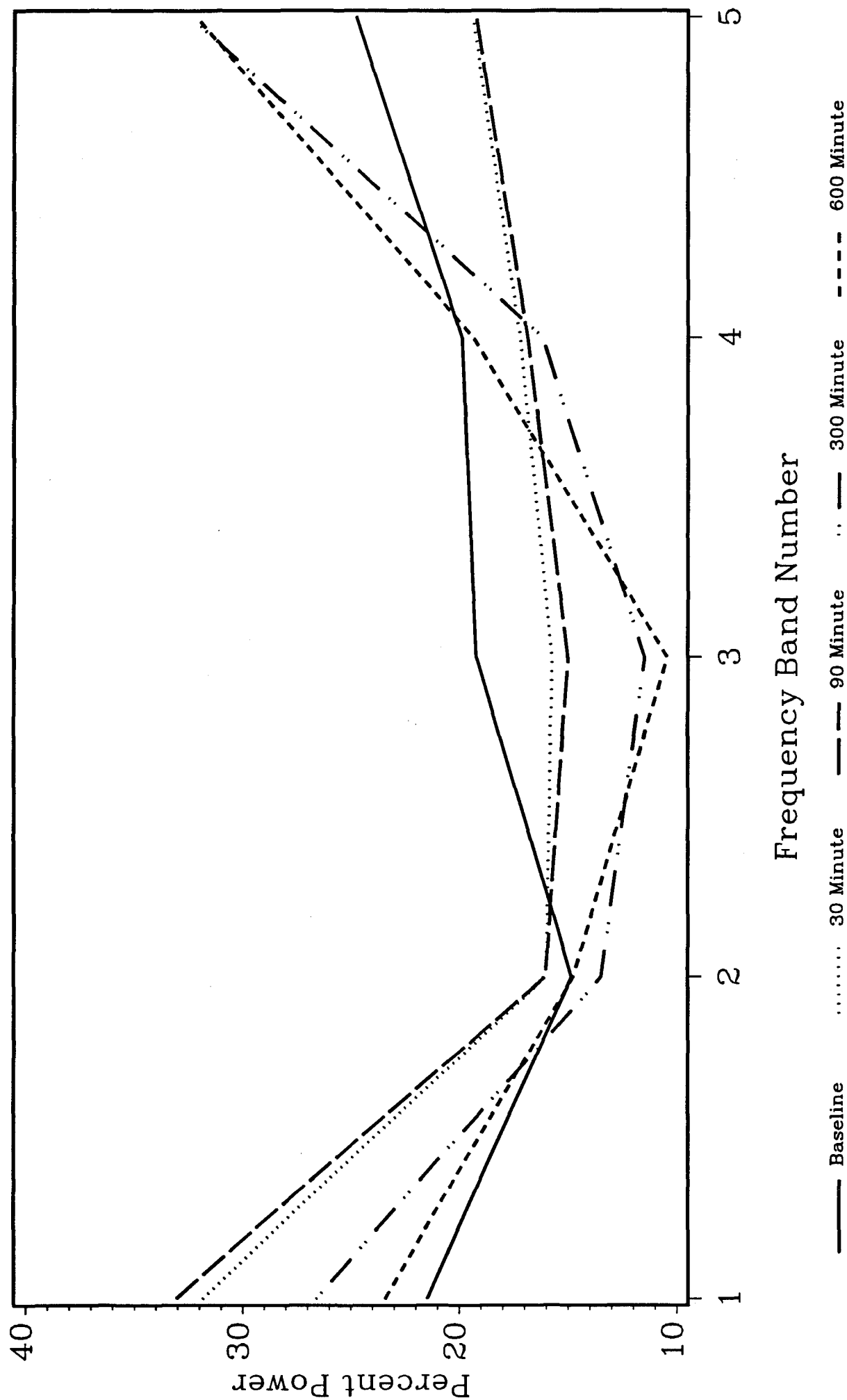
| Blood Draw | Freq. Band | Windows 1-10 | | | Windows 11-20 | | | Windows 21-30 | | | Grand Mean | | |
|------------|------------|--------------|-------|-------|---------------|----|-------|---------------|------|----|------------|-------|------|
| | | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. | N | Mean | Std. | S.E. |
| Baseline | 1 | 10 | 26.52 | 8.69 | 2.75 | 10 | 25.86 | 8.66 | 2.74 | 10 | 22.27 | 7.56 | 2.39 |
| | 2 | 10 | 14.88 | 3.68 | 1.16 | 10 | 17.05 | 4.81 | 1.52 | 10 | 16.01 | 6.33 | 2.00 |
| | 3 | 10 | 16.28 | 2.97 | 0.94 | 10 | 16.57 | 5.41 | 1.71 | 10 | 22.19 | 6.55 | 2.07 |
| | 4 | 10 | 15.68 | 5.12 | 1.62 | 10 | 18.60 | 5.70 | 1.80 | 10 | 19.42 | 5.38 | 1.70 |
| | 5 | 10 | 26.64 | 9.23 | 2.92 | 10 | 21.92 | 6.83 | 2.16 | 10 | 20.11 | 6.86 | 2.17 |
| 30-Minute | 1 | 10 | 37.63 | 17.71 | 5.60 | 10 | 39.47 | 15.98 | 5.05 | 10 | 49.45 | 12.85 | 4.06 |
| | 2 | 10 | 14.38 | 6.74 | 2.13 | 10 | 16.89 | 6.79 | 2.15 | 10 | 17.69 | 7.78 | 2.46 |
| | 3 | 10 | 16.08 | 6.48 | 2.05 | 10 | 11.68 | 4.16 | 1.32 | 10 | 10.97 | 4.26 | 1.35 |
| | 4 | 10 | 13.22 | 4.82 | 1.52 | 10 | 14.76 | 7.91 | 2.50 | 10 | 9.14 | 3.91 | 1.24 |
| | 5 | 10 | 18.70 | 9.03 | 2.86 | 10 | 17.20 | 9.37 | 2.96 | 10 | 13.09 | 4.29 | 1.36 |
| 90-Minute | 1 | 10 | 42.09 | 7.59 | 2.40 | 10 | 48.68 | 15.39 | 4.87 | 10 | 43.10 | 13.07 | 4.13 |
| | 2 | 10 | 20.34 | 9.20 | 2.91 | 10 | 15.10 | 5.99 | 1.90 | 10 | 20.98 | 6.93 | 2.19 |
| | 3 | 10 | 12.13 | 3.03 | 0.96 | 10 | 13.32 | 5.49 | 1.74 | 10 | 14.78 | 5.27 | 1.67 |
| | 4 | 10 | 12.68 | 3.76 | 1.19 | 10 | 10.31 | 4.94 | 1.56 | 10 | 11.08 | 4.18 | 1.32 |
| | 5 | 10 | 12.76 | 3.38 | 1.07 | 10 | 12.59 | 4.99 | 1.58 | 10 | 10.06 | 4.35 | 1.38 |
| 300-Minute | 1 | 10 | 50.36 | 13.02 | 4.12 | 10 | 46.60 | 18.82 | 5.95 | 10 | 52.57 | 14.56 | 4.60 |
| | 2 | 10 | 16.88 | 6.12 | 1.94 | 10 | 18.31 | 7.14 | 2.26 | 10 | 18.96 | 5.85 | 1.85 |
| | 3 | 10 | 10.18 | 3.38 | 1.07 | 10 | 10.14 | 5.24 | 1.66 | 10 | 10.16 | 4.60 | 1.45 |
| | 4 | 10 | 8.38 | 3.61 | 1.14 | 10 | 11.09 | 5.35 | 1.69 | 10 | 7.73 | 3.41 | 1.08 |
| | 5 | 10 | 14.20 | 8.58 | 2.71 | 10 | 13.87 | 6.83 | 2.16 | 10 | 10.59 | 5.10 | 1.61 |
| 600-Minute | 1 | 10 | 28.91 | 12.90 | 4.08 | 10 | 44.13 | 9.48 | 3.00 | 10 | 42.92 | 18.63 | 5.89 |
| | 2 | 10 | 15.35 | 4.01 | 1.27 | 10 | 13.73 | 5.26 | 1.66 | 10 | 17.69 | 7.69 | 2.43 |
| | 3 | 10 | 12.41 | 2.97 | 0.94 | 10 | 11.53 | 5.00 | 1.58 | 10 | 8.36 | 3.79 | 1.20 |
| | 4 | 10 | 17.27 | 5.10 | 1.61 | 10 | 12.48 | 6.59 | 2.09 | 10 | 8.00 | 2.76 | 0.87 |
| | 5 | 10 | 26.06 | 6.58 | 2.08 | 10 | 18.12 | 7.54 | 2.39 | 10 | 23.03 | 11.05 | 3.49 |
| | 1 | 10 | 24.88 | 2.29 | 1.32 | 10 | 24.88 | 2.29 | 1.32 | 10 | 24.88 | 2.29 | 1.32 |
| | 2 | 10 | 15.98 | 1.08 | 0.63 | 10 | 15.98 | 1.08 | 0.63 | 10 | 15.98 | 1.08 | 0.63 |
| | 3 | 10 | 18.35 | 3.33 | 1.93 | 10 | 18.35 | 3.33 | 1.93 | 10 | 18.35 | 3.33 | 1.93 |
| | 4 | 10 | 17.90 | 1.96 | 1.13 | 10 | 17.90 | 1.96 | 1.13 | 10 | 17.90 | 1.96 | 1.13 |
| | 5 | 10 | 22.89 | 3.37 | 1.95 | 10 | 22.89 | 3.37 | 1.95 | 10 | 22.89 | 3.37 | 1.95 |
| | 1 | 10 | 42.19 | 6.36 | 3.67 | 10 | 42.19 | 6.36 | 3.67 | 10 | 42.19 | 6.36 | 3.67 |
| | 2 | 10 | 16.32 | 1.73 | 1.00 | 10 | 16.32 | 1.73 | 1.00 | 10 | 16.32 | 1.73 | 1.00 |
| | 3 | 10 | 12.91 | 2.77 | 1.60 | 10 | 12.91 | 2.77 | 1.60 | 10 | 12.91 | 2.77 | 1.60 |
| | 4 | 10 | 12.37 | 2.90 | 1.68 | 10 | 12.37 | 2.90 | 1.68 | 10 | 12.37 | 2.90 | 1.68 |
| | 5 | 10 | 16.33 | 2.90 | 1.68 | 10 | 16.33 | 2.90 | 1.68 | 10 | 16.33 | 2.90 | 1.68 |
| | 1 | 10 | 44.62 | 3.55 | 2.05 | 10 | 44.62 | 3.55 | 2.05 | 10 | 44.62 | 3.55 | 2.05 |
| | 2 | 10 | 18.81 | 3.22 | 1.86 | 10 | 18.81 | 3.22 | 1.86 | 10 | 18.81 | 3.22 | 1.86 |
| | 3 | 10 | 13.41 | 1.33 | 0.77 | 10 | 13.41 | 1.33 | 0.77 | 10 | 13.41 | 1.33 | 0.77 |
| | 4 | 10 | 11.36 | 1.21 | 0.70 | 10 | 11.36 | 1.21 | 0.70 | 10 | 11.36 | 1.21 | 0.70 |
| | 5 | 10 | 11.80 | 1.51 | 0.87 | 10 | 11.80 | 1.51 | 0.87 | 10 | 11.80 | 1.51 | 0.87 |
| | 1 | 10 | 49.84 | 3.02 | 1.74 | 10 | 49.84 | 3.02 | 1.74 | 10 | 49.84 | 3.02 | 1.74 |
| | 2 | 10 | 18.05 | 1.07 | 0.62 | 10 | 18.05 | 1.07 | 0.62 | 10 | 18.05 | 1.07 | 0.62 |
| | 3 | 10 | 10.16 | 0.02 | 0.01 | 10 | 10.16 | 0.02 | 0.01 | 10 | 10.16 | 0.02 | 0.01 |
| | 4 | 10 | 9.07 | 1.78 | 1.03 | 10 | 9.07 | 1.78 | 1.03 | 10 | 9.07 | 1.78 | 1.03 |
| | 5 | 10 | 12.89 | 2.00 | 1.15 | 10 | 12.89 | 2.00 | 1.15 | 10 | 12.89 | 2.00 | 1.15 |
| | 1 | 10 | 38.65 | 8.46 | 4.89 | 10 | 38.65 | 8.46 | 4.89 | 10 | 38.65 | 8.46 | 4.89 |
| | 2 | 10 | 15.59 | 1.99 | 1.15 | 10 | 15.59 | 1.99 | 1.15 | 10 | 15.59 | 1.99 | 1.15 |
| | 3 | 10 | 10.77 | 2.13 | 1.23 | 10 | 10.77 | 2.13 | 1.23 | 10 | 10.77 | 2.13 | 1.23 |
| | 4 | 10 | 12.59 | 4.64 | 2.68 | 10 | 12.59 | 4.64 | 2.68 | 10 | 12.59 | 4.64 | 2.68 |
| | 5 | 10 | 22.40 | 4.00 | 2.31 | 10 | 22.40 | 4.00 | 2.31 | 10 | 22.40 | 4.00 | 2.31 |

Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine

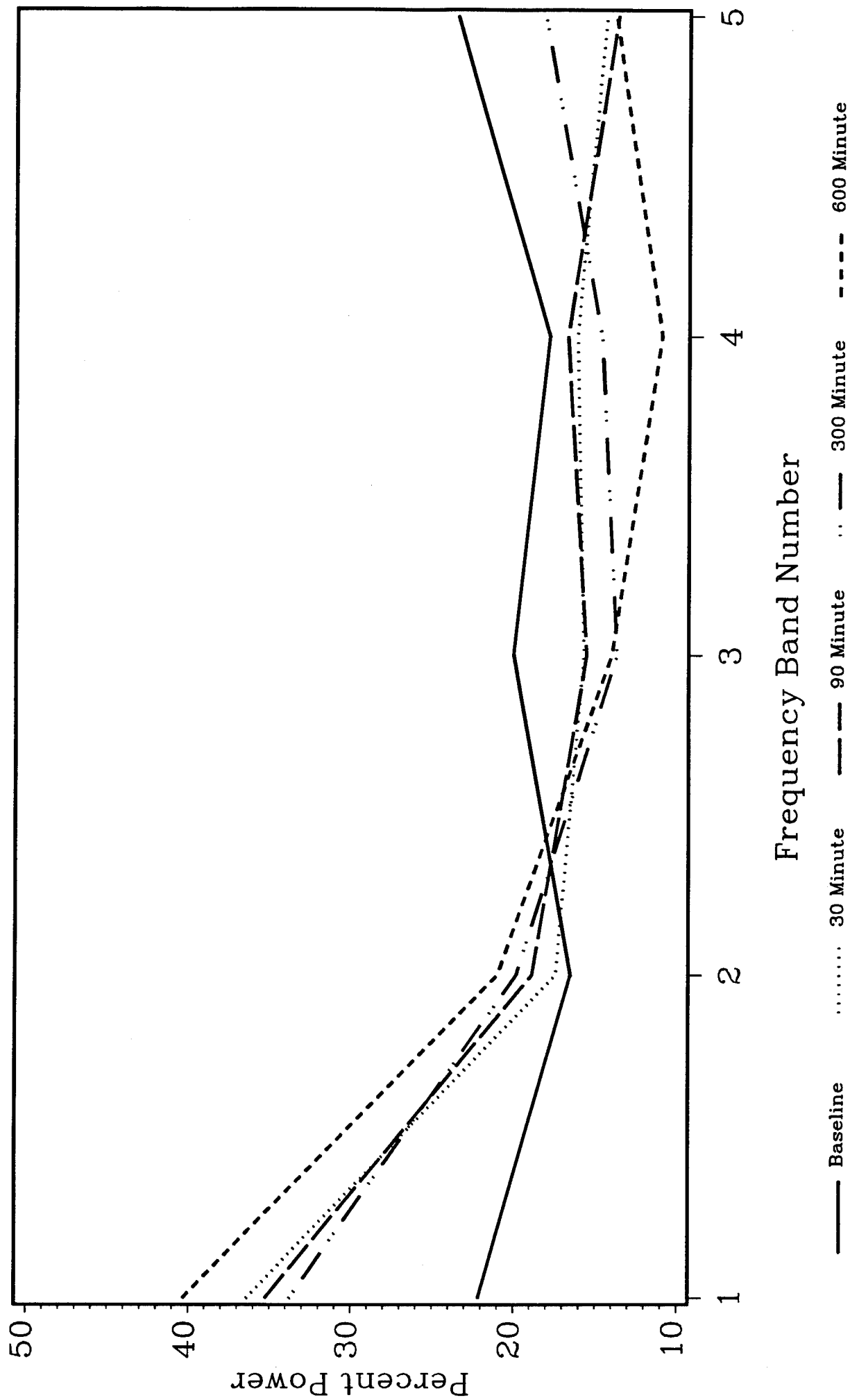
Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

Animal ID=4E5 Atropine Dose (mg/kg)=0.1 Channel=3



Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09
Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows
Animal ID=4E5 Atropine Dose (mg/kg)=0.1 Channel=4

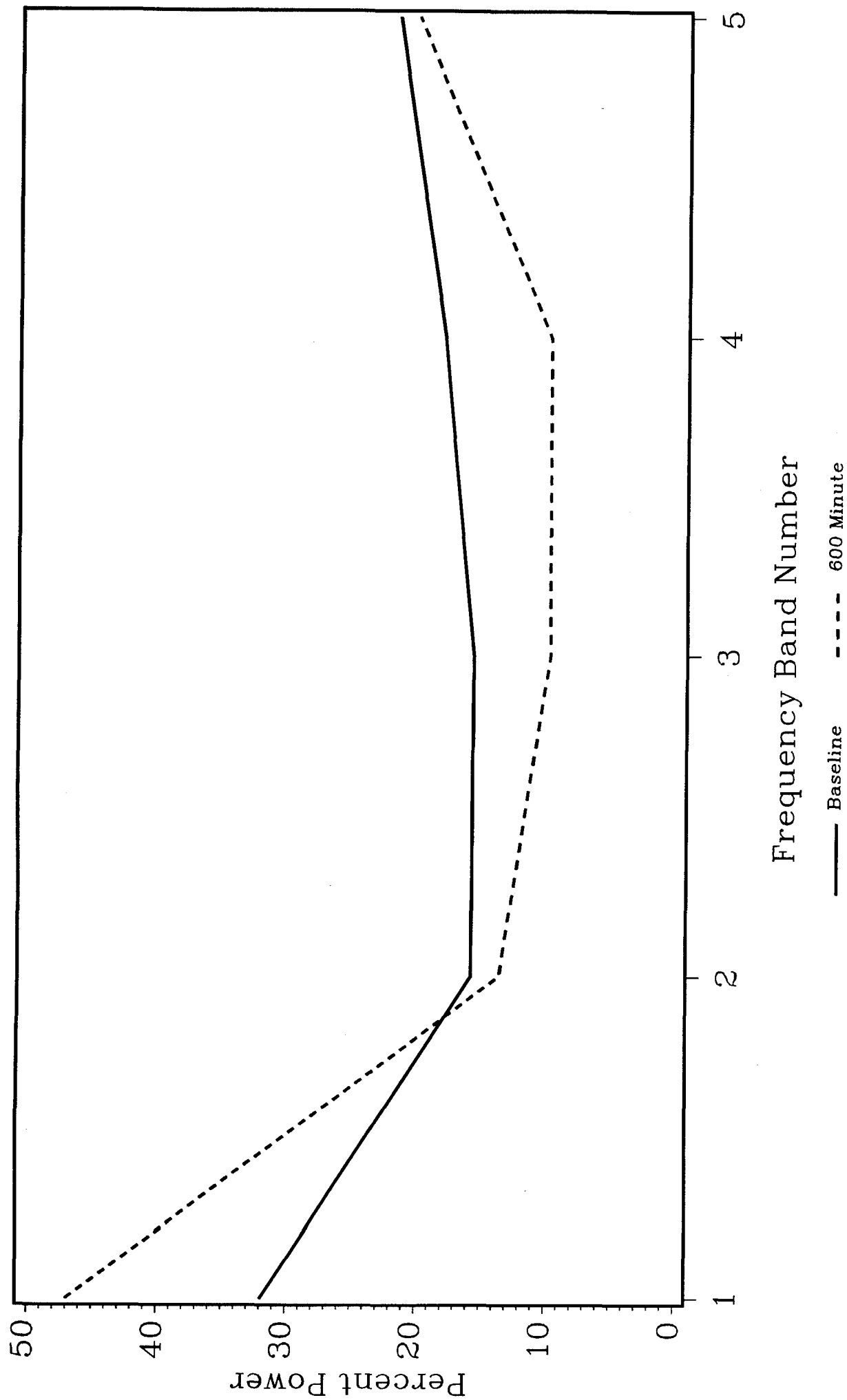


Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine

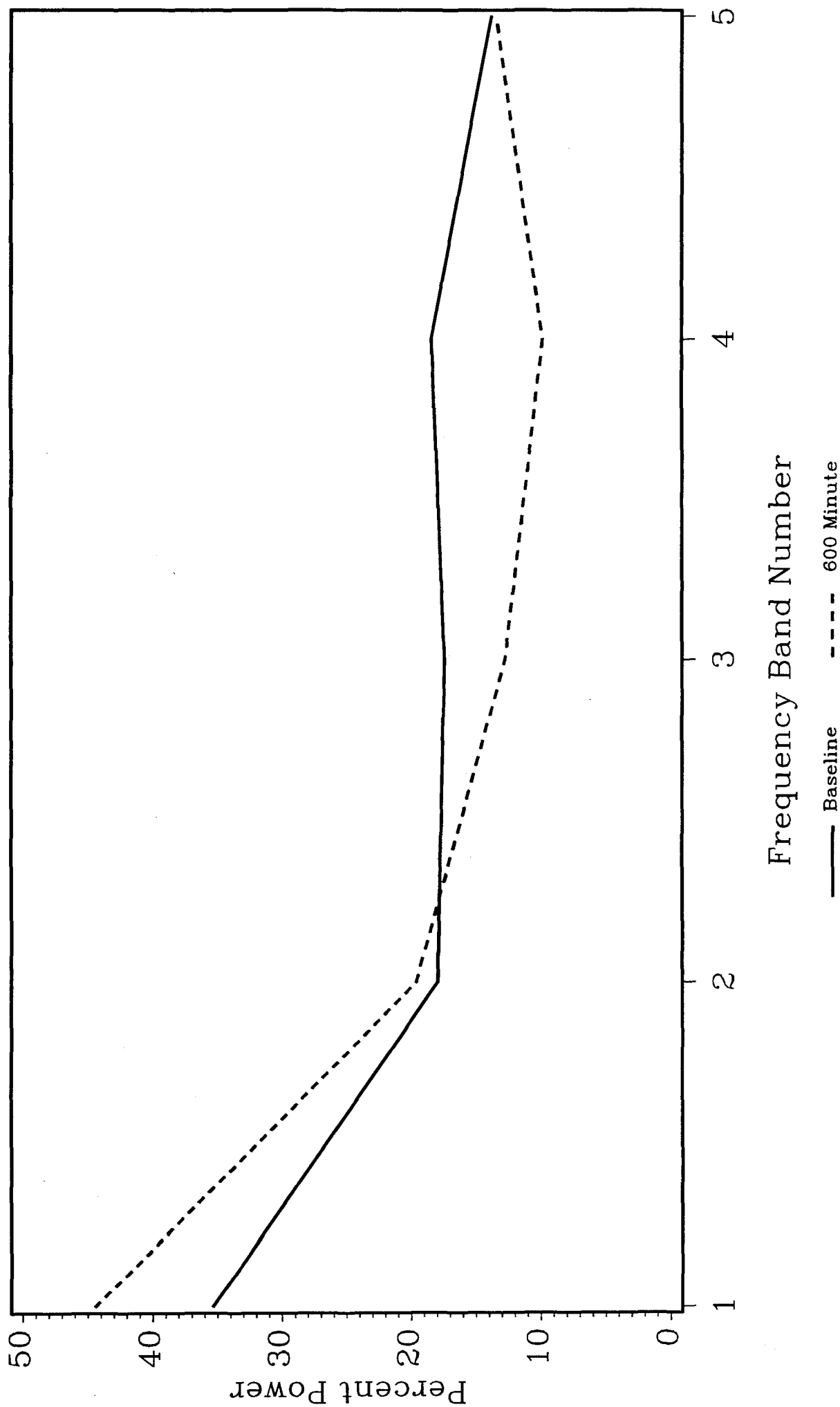
Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

Animal ID=4E5 Atropine Dose (mg/kg)=0.2 Channel=1



Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09
Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows
Animal ID=4E5 Atropine Dose (mg/kg)=0.2 Channel=2

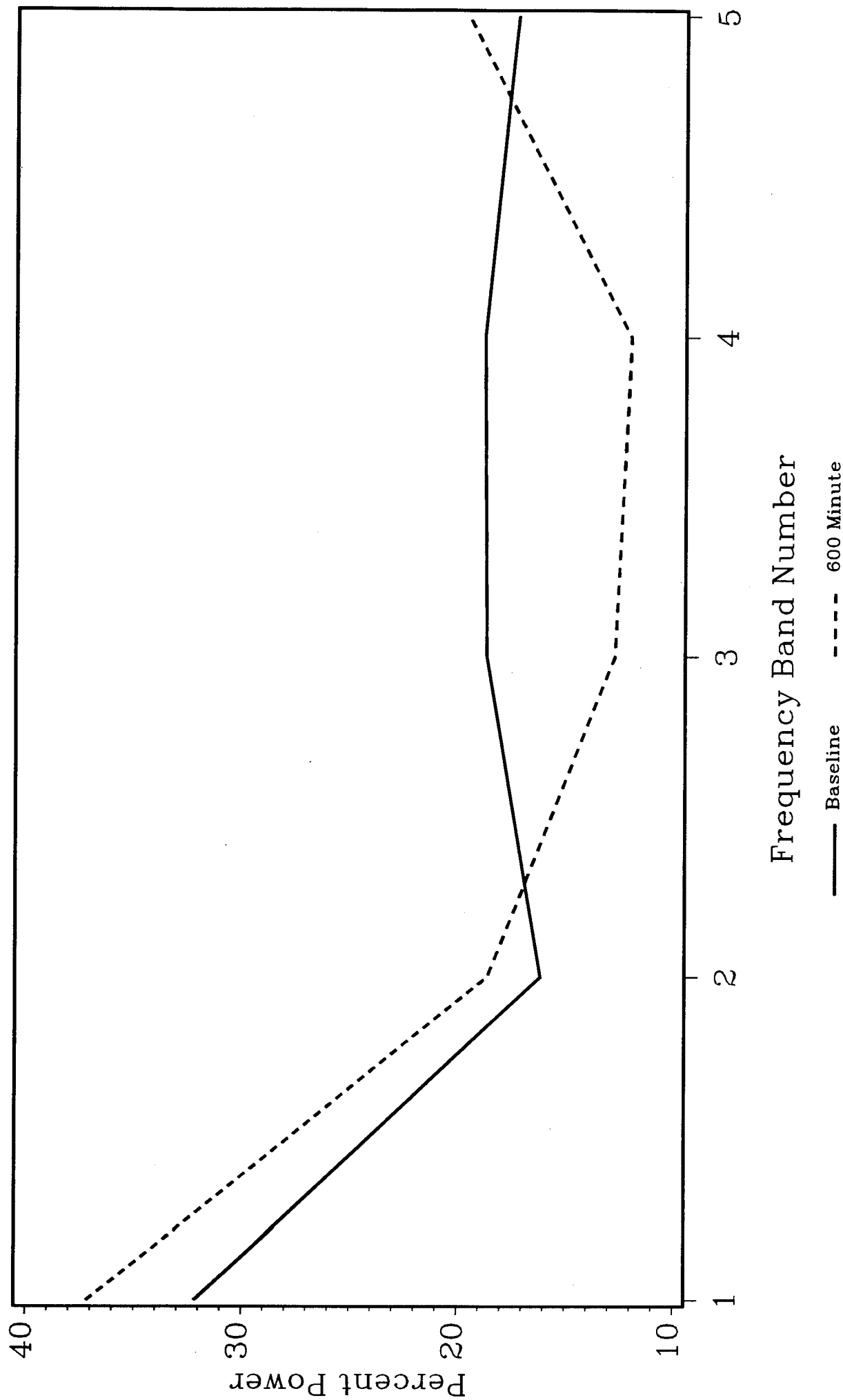


Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine

Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

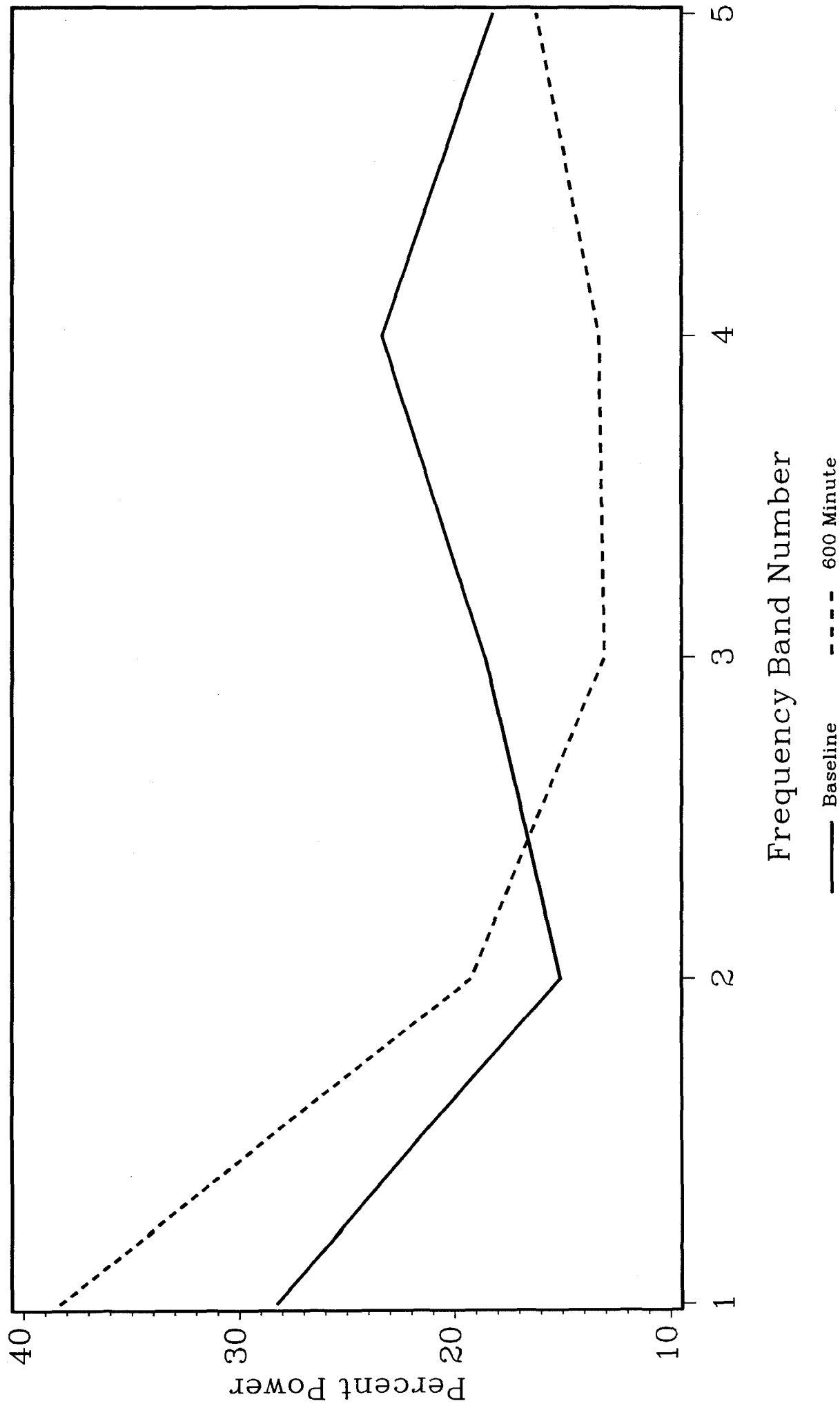
Animal ID=4E5 Atropine Dose (mg/kg)=0.2 Channel=3



Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

Animal ID=4E5 Atropine Dose (mg/kg)=0.2 Channel=4



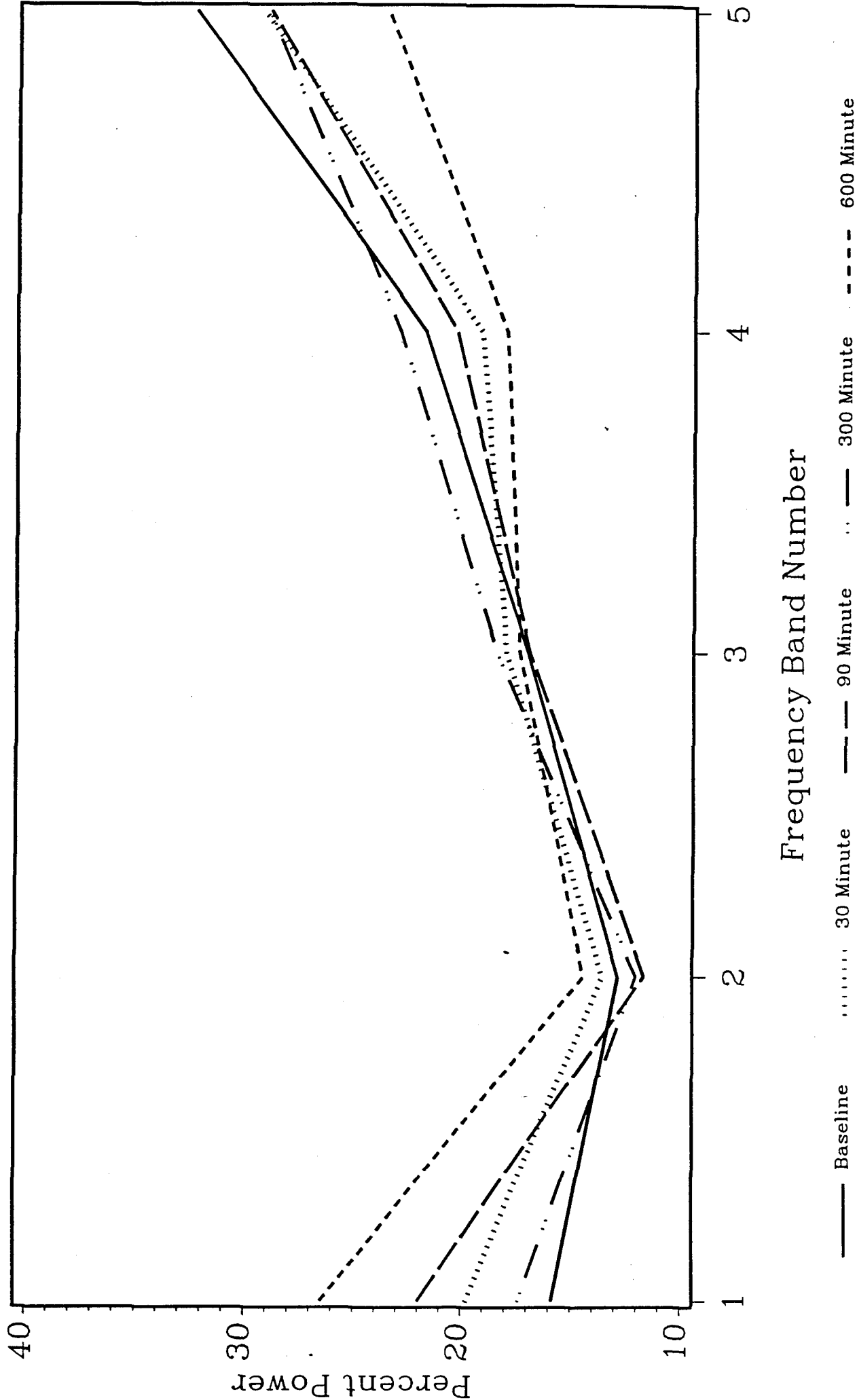
Animal D275

Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine

Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

Animal ID=D275 Atropine Dose (mg/kg)=0.0 Channel=1

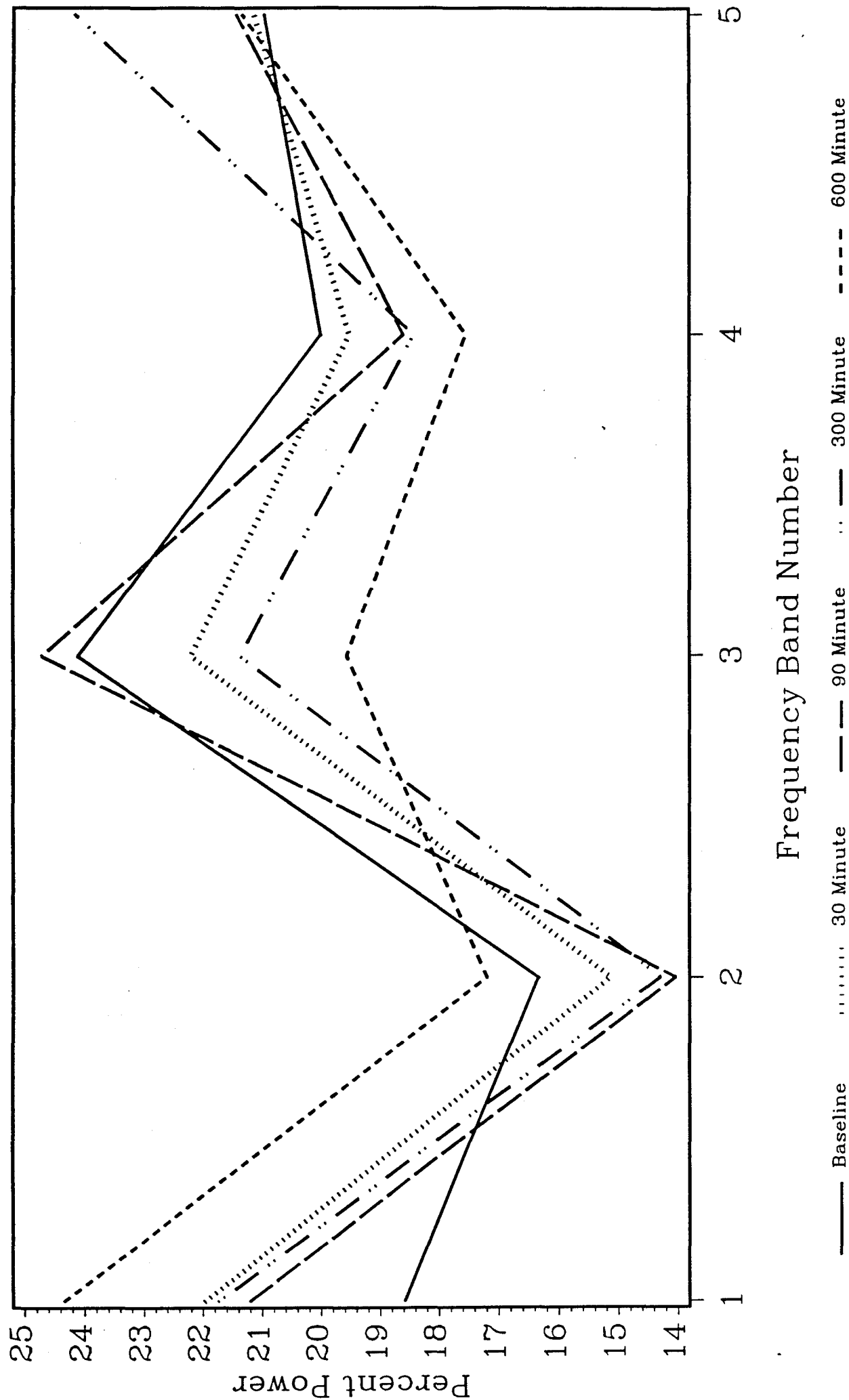


Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine

Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

Animal ID=D275 Atropine Dose (mg/kg)=0.0 Channel=2

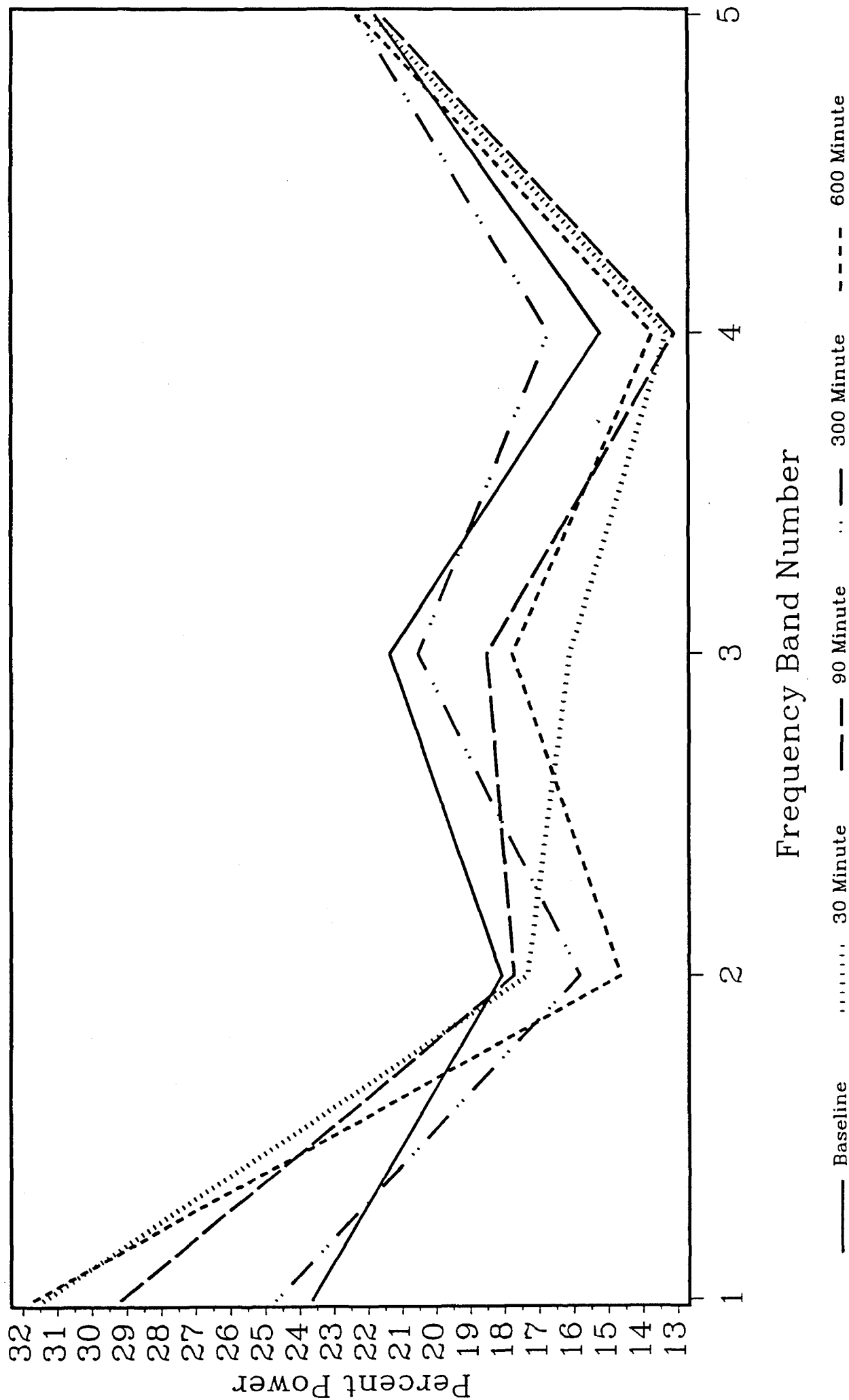


Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine

Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

Animal ID=D275 Atropine Dose (mg/kg)=0.0 Channel=3

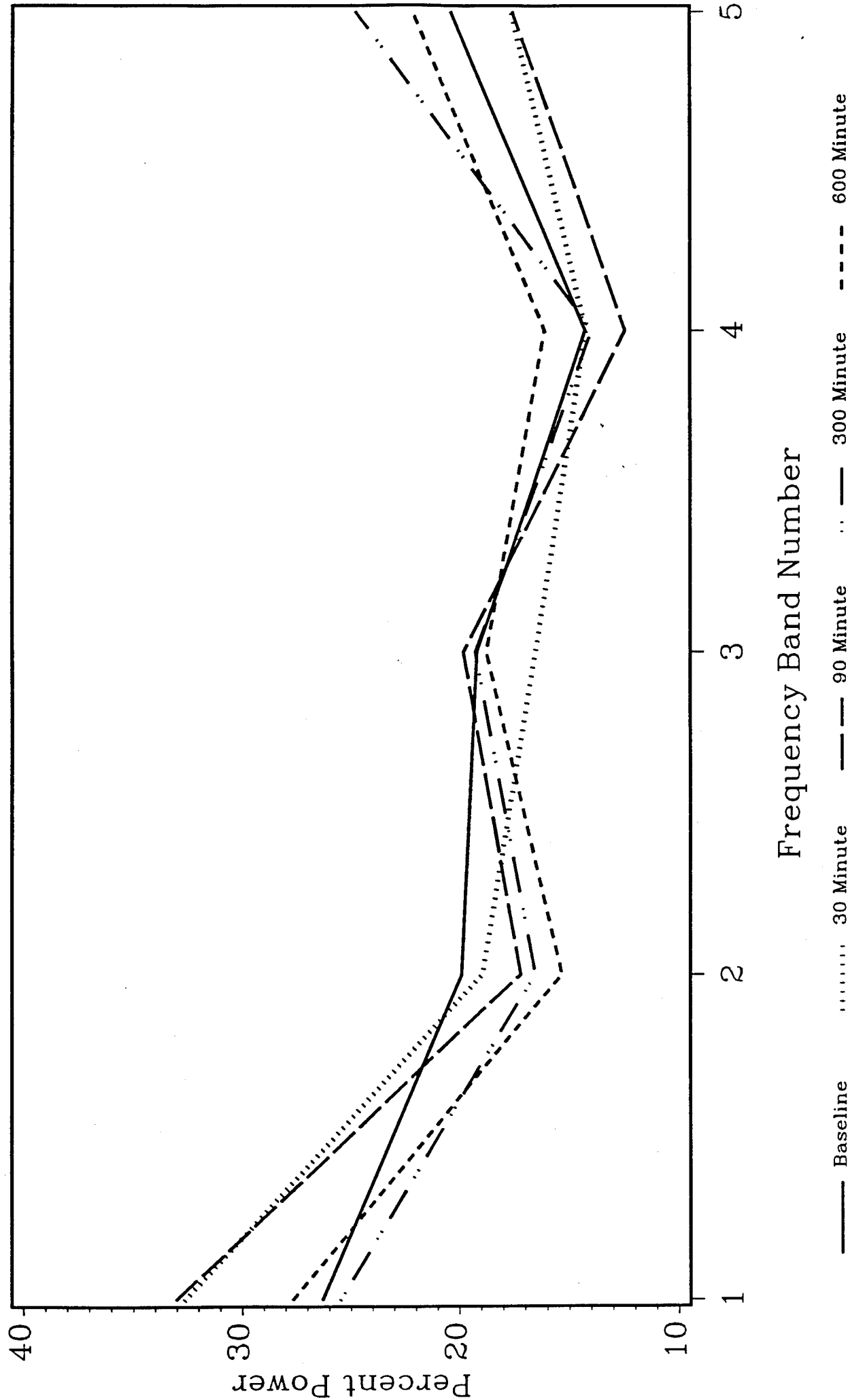


Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine

Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

Animal ID=D275 Atropine Dose (mg/kg)=0.0 Channel=4

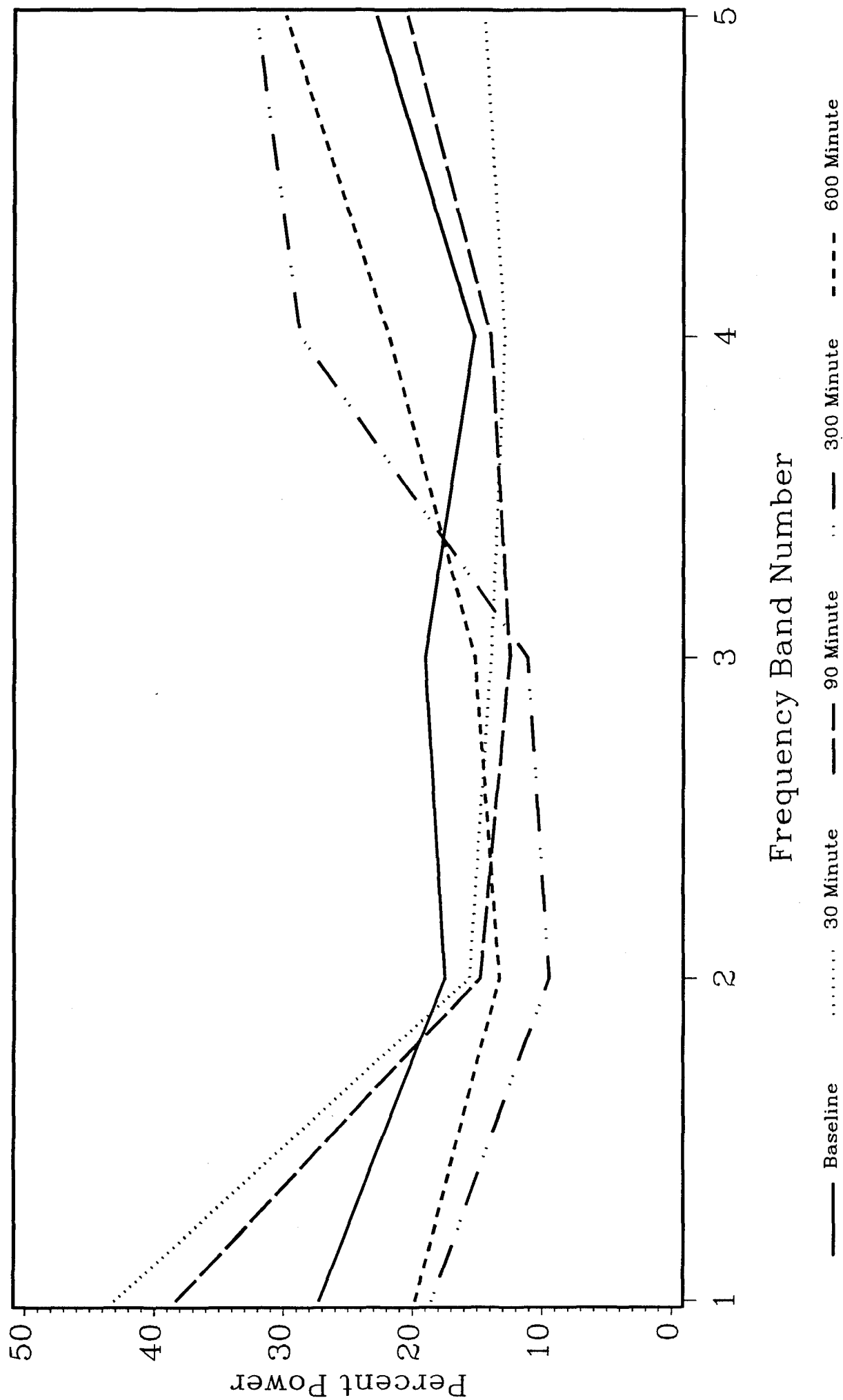


Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine

Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

Animal ID=D275 Atropine Dose (mg/kg)=0.1 Channel=1

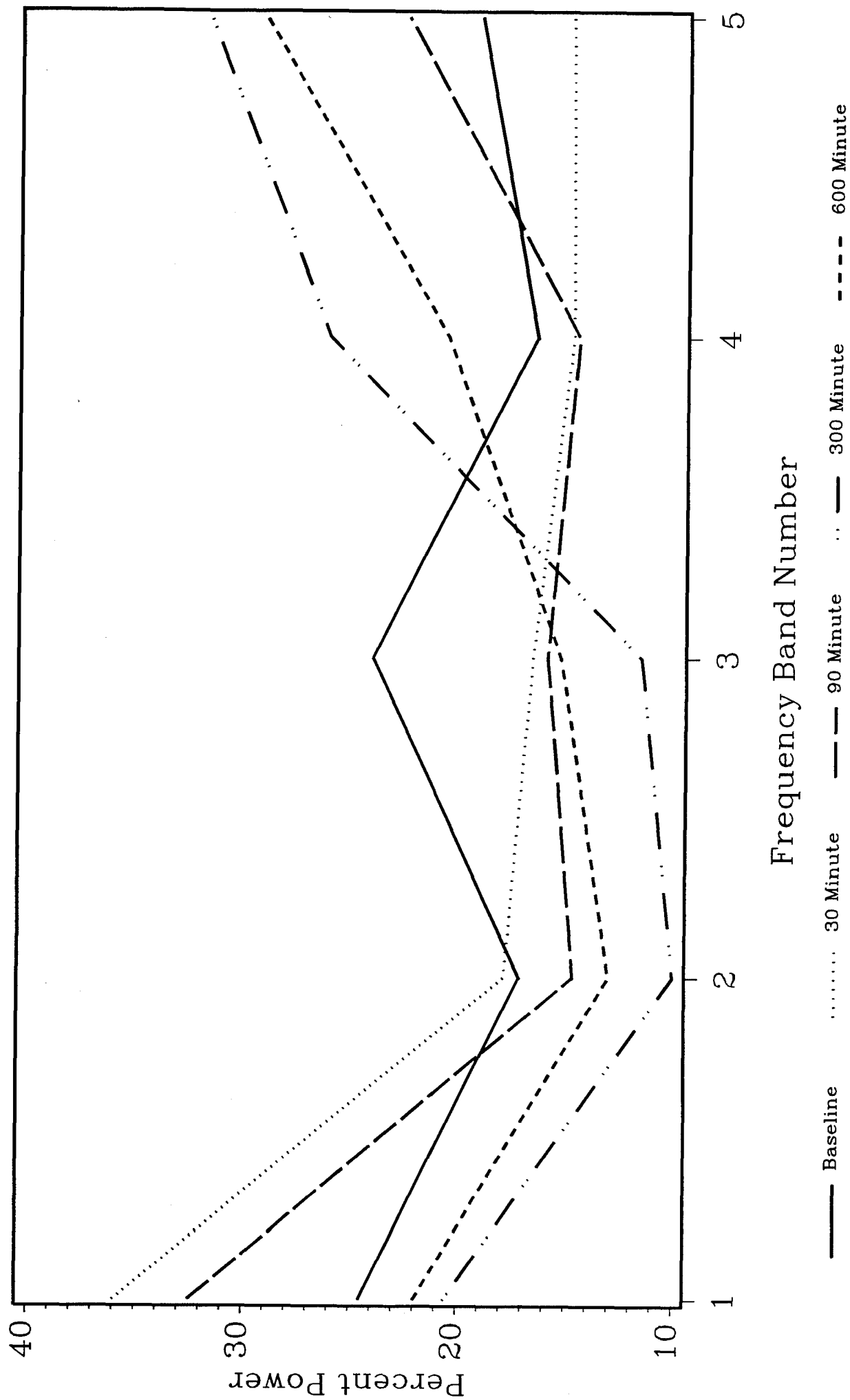


Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine

Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

Animal ID=D275 Atropine Dose (mg/kg)=0.1 Channel=2

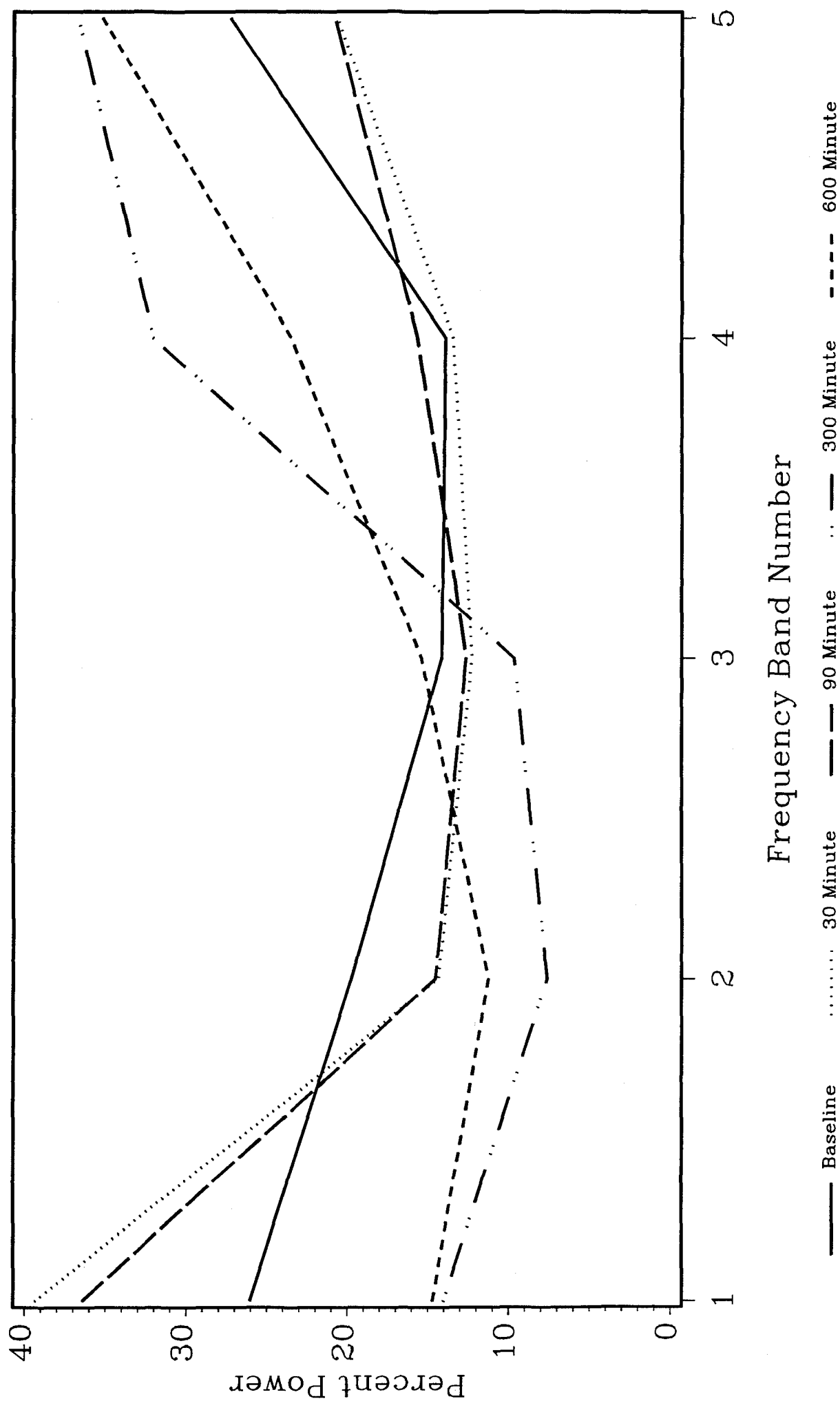


Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine

Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

Animal ID=D275 Atropine Dose (mg/kg)=0.1 Channel=3

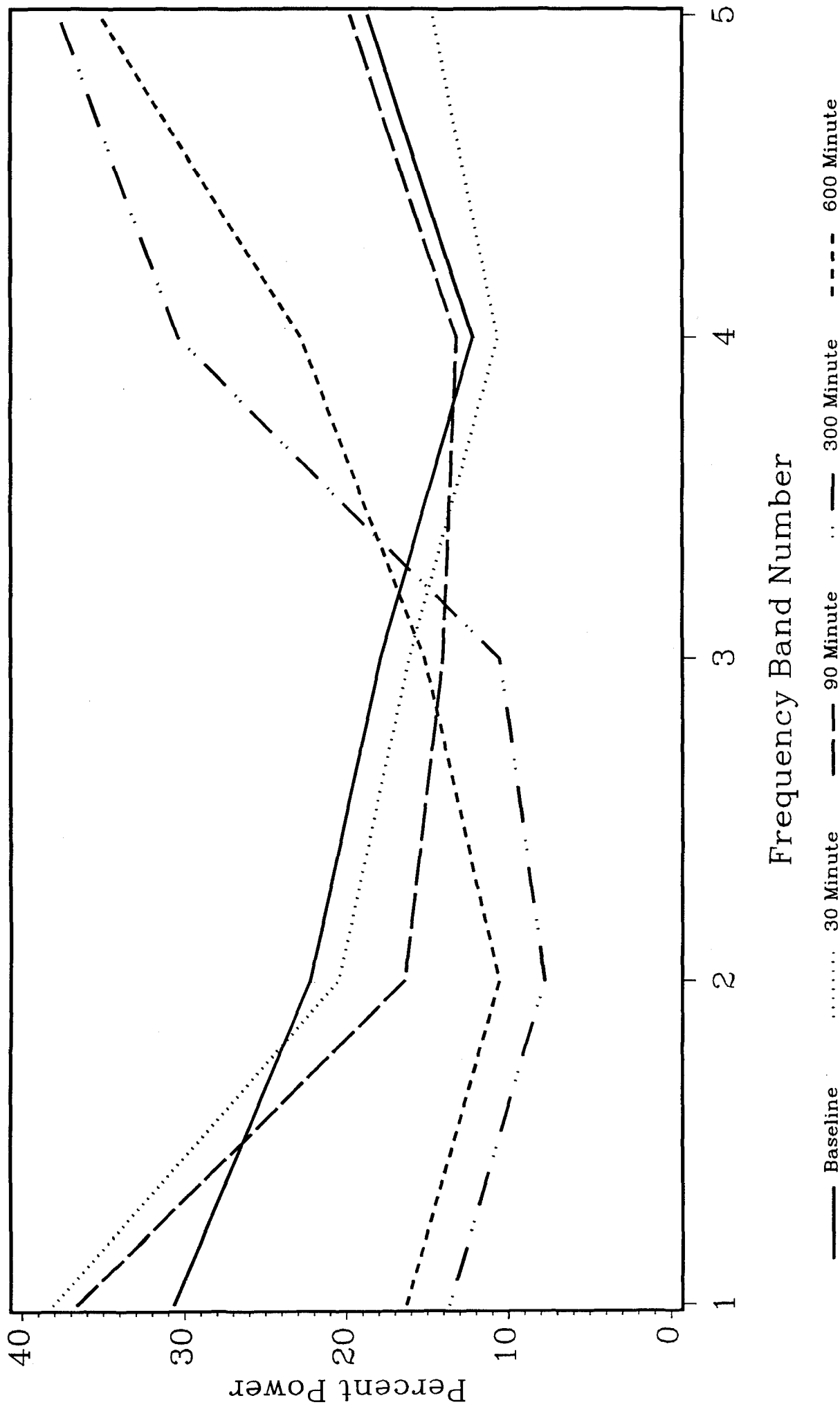


Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine

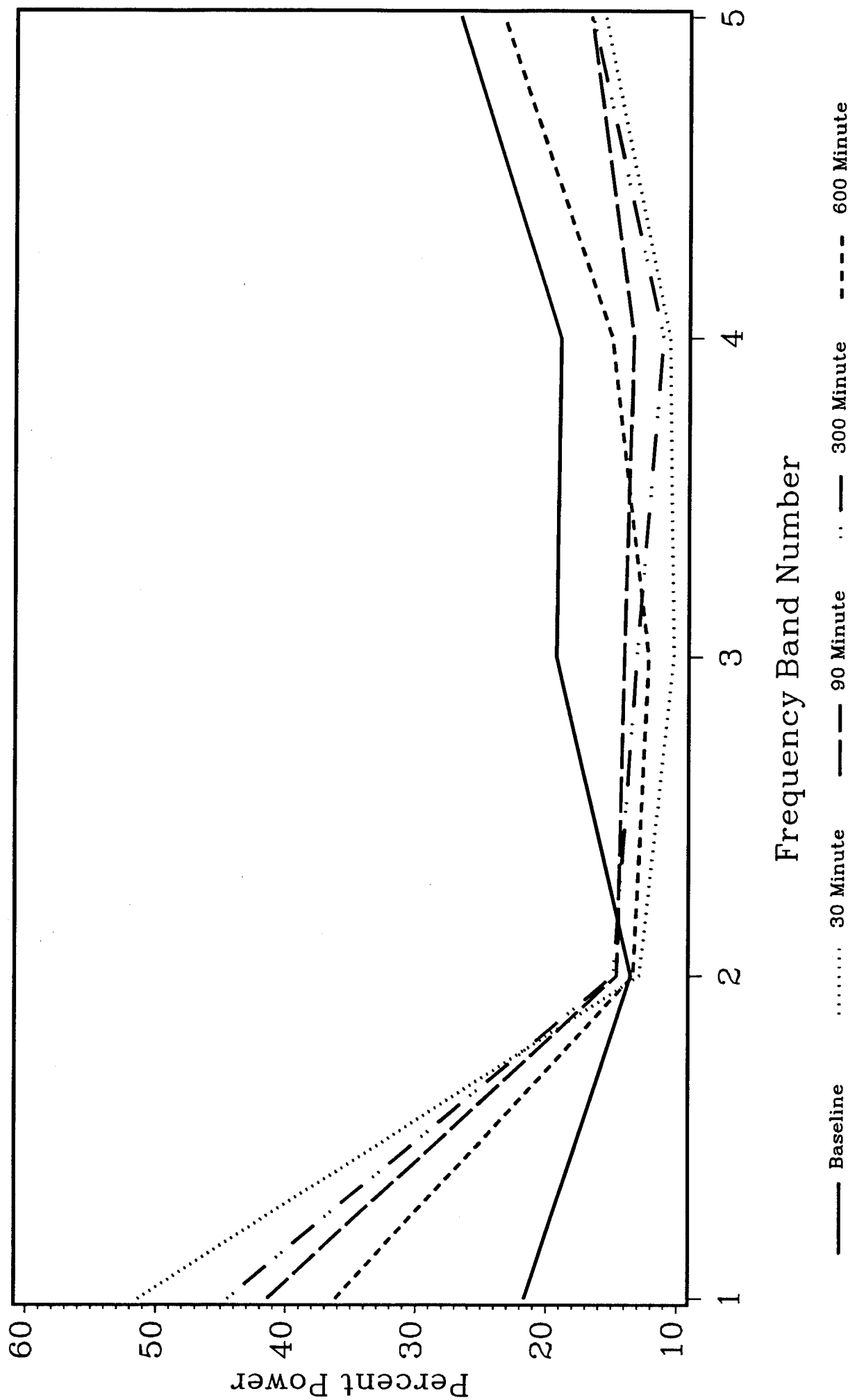
Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

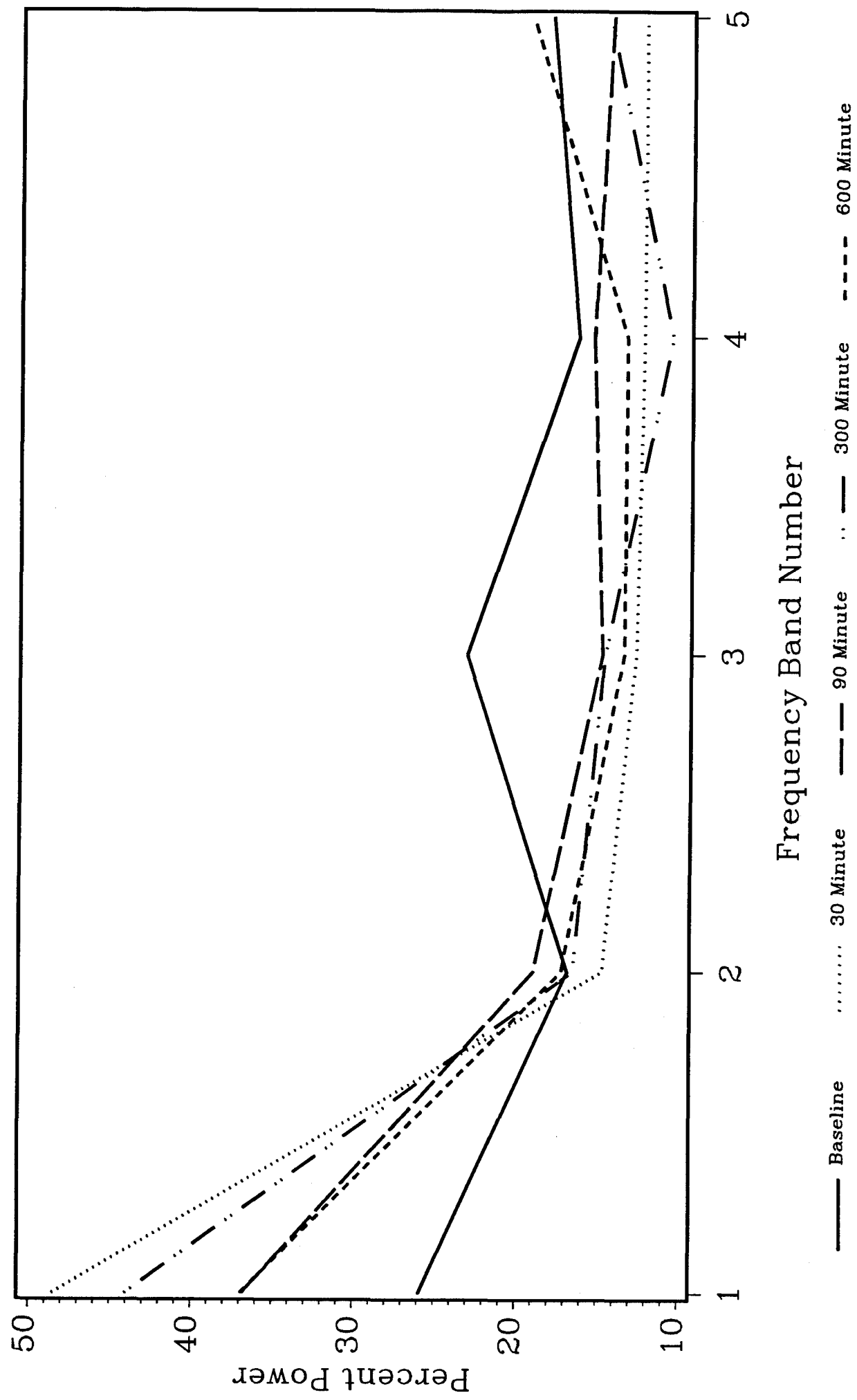
Animal ID=D275 Atropine Dose (mg/kg)=0.1 Channel=4



Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09
Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows
Animal ID=D275 Atropine Dose (mg/kg)=0.2 Channel=1

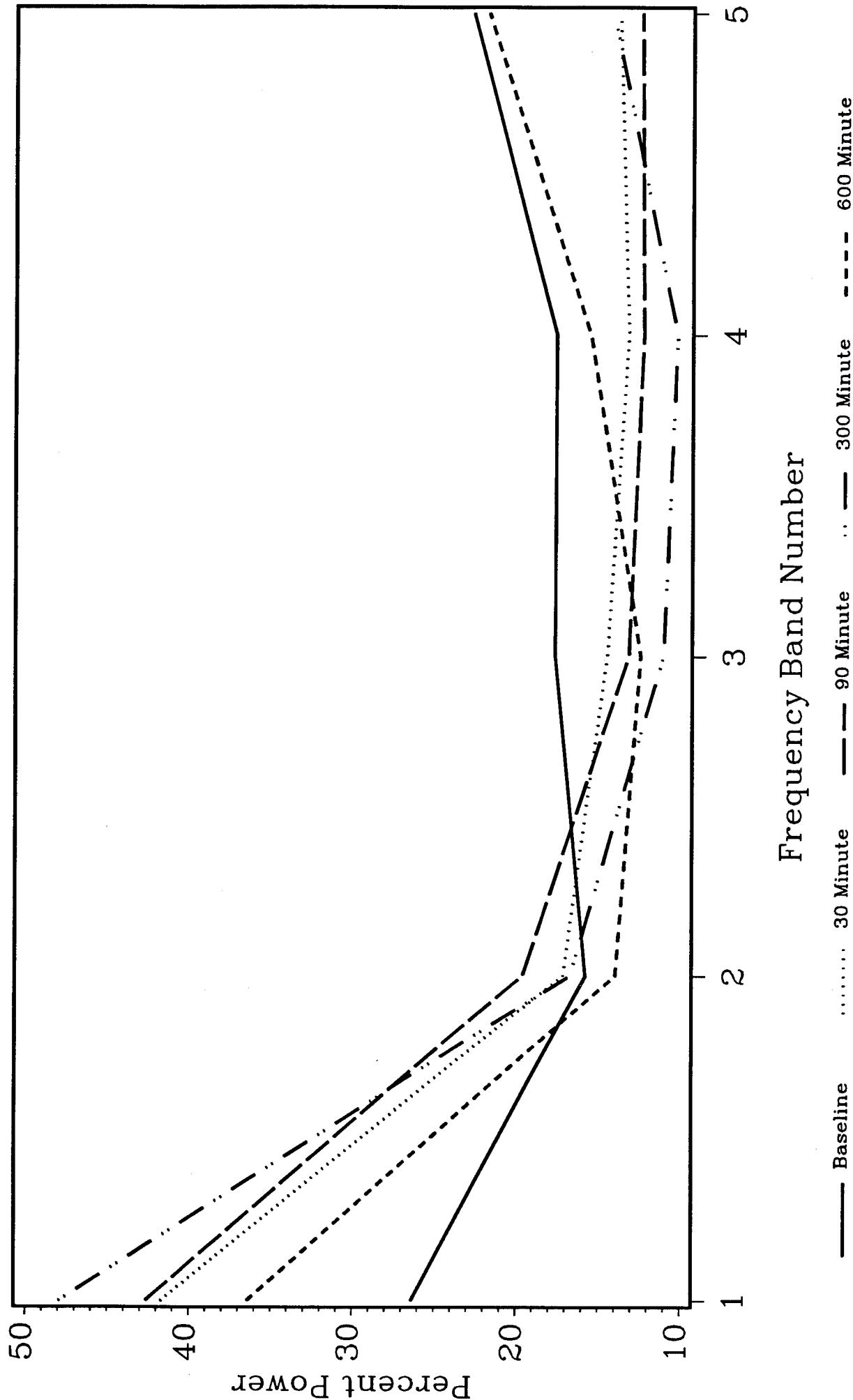


Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09
Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows
Animal ID=D275 Atropine Dose (mg/kg)=0.2 Channel=2



Spectral Re--Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09
Animal ID=D275 Atropine Dose (mg/kg)=0.2 Channel=3

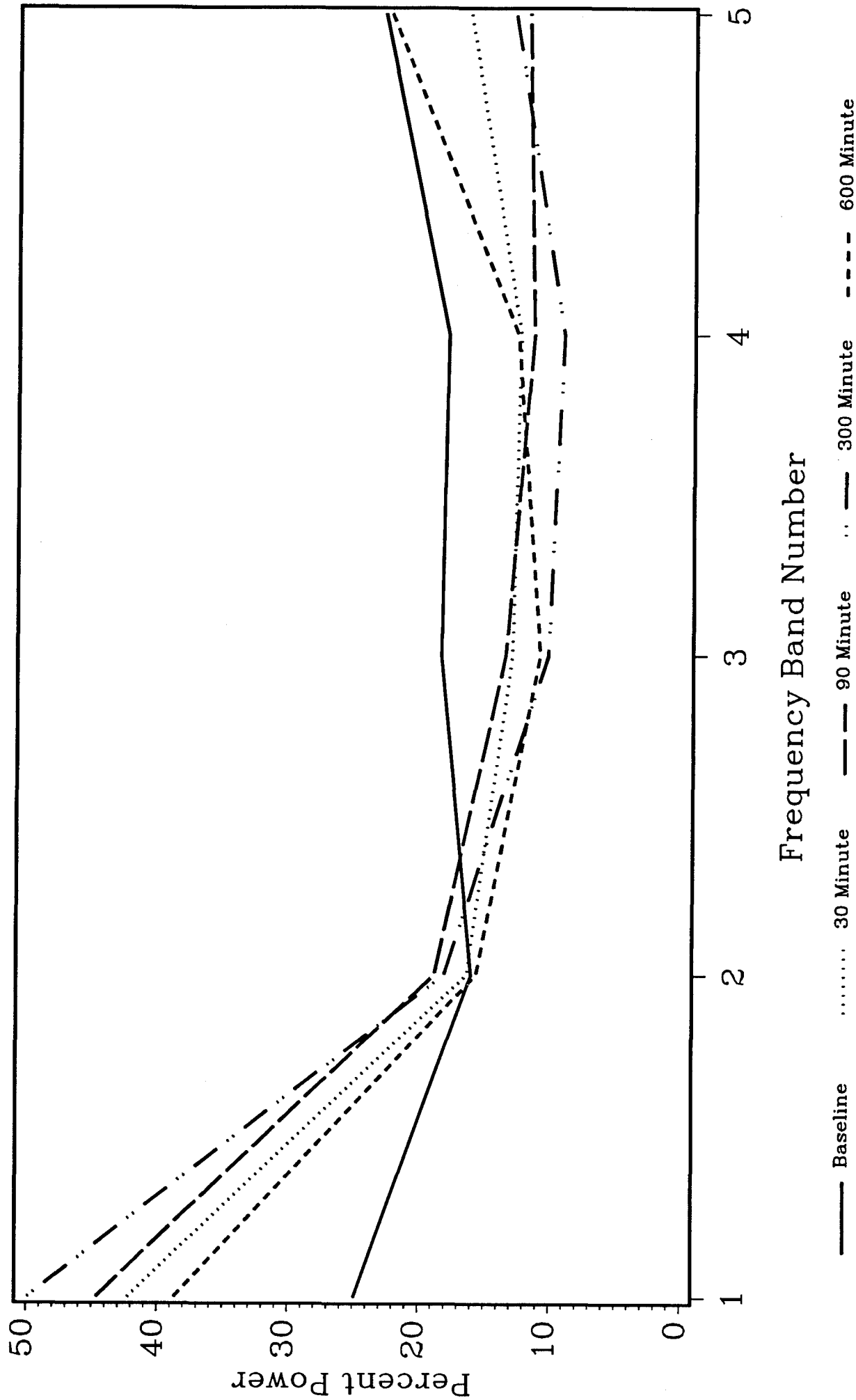
Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows



Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

Animal ID=D275 Atropine Dose (mg/kg)=0.2 Channel=4

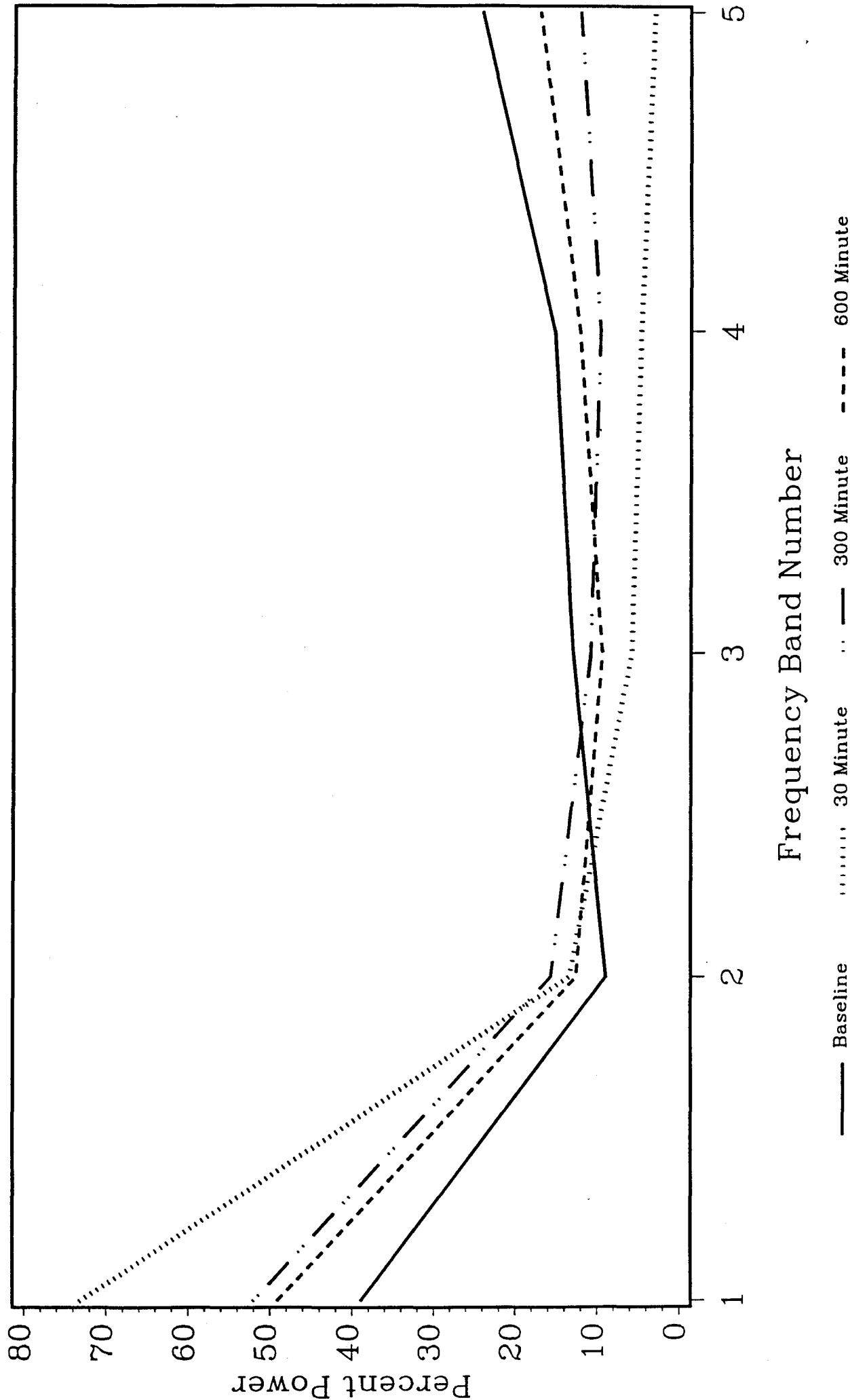


Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine

Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

Animal ID=D275 Atropine Dose (mg/kg)=0.4 Channel=1

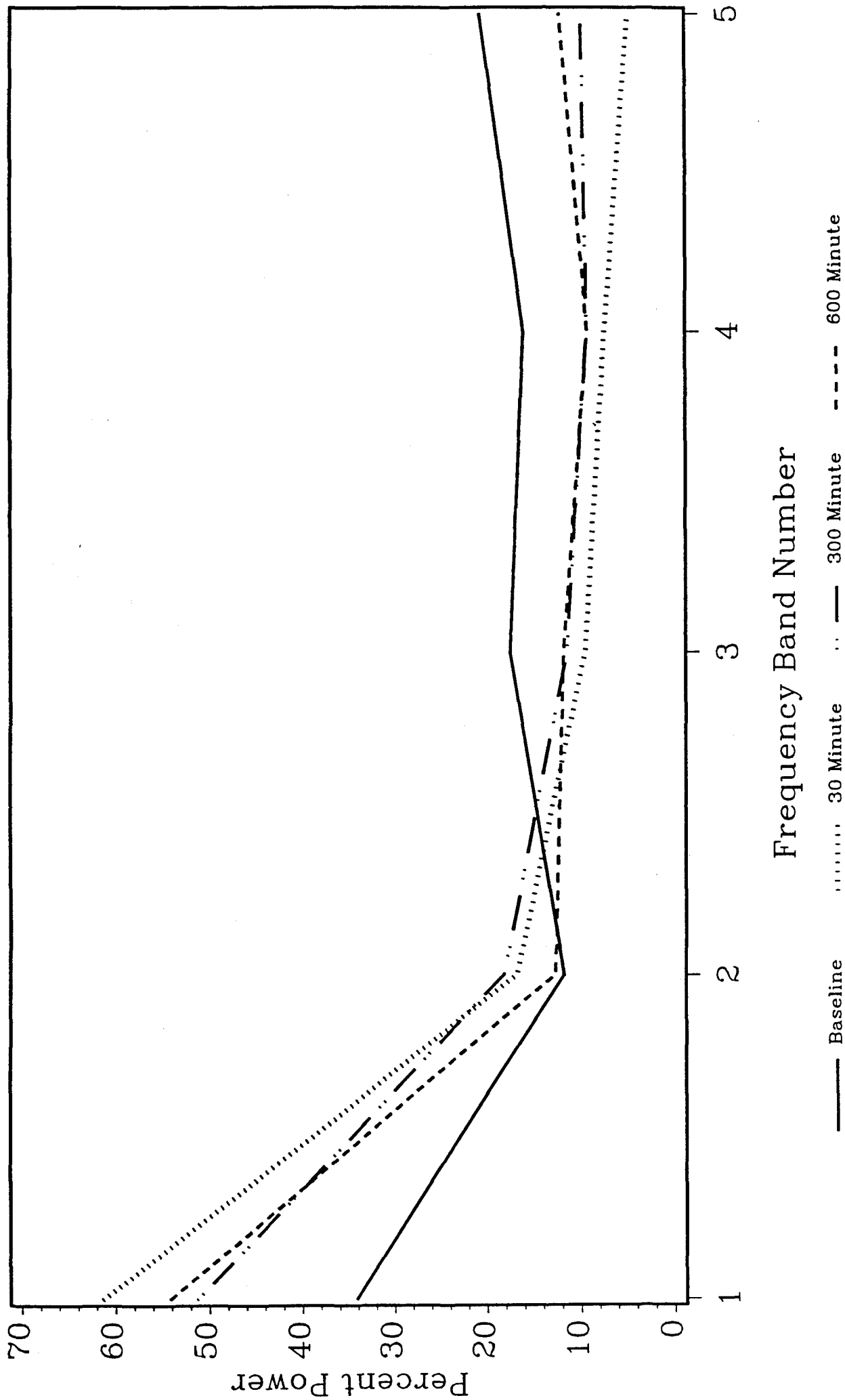


Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine

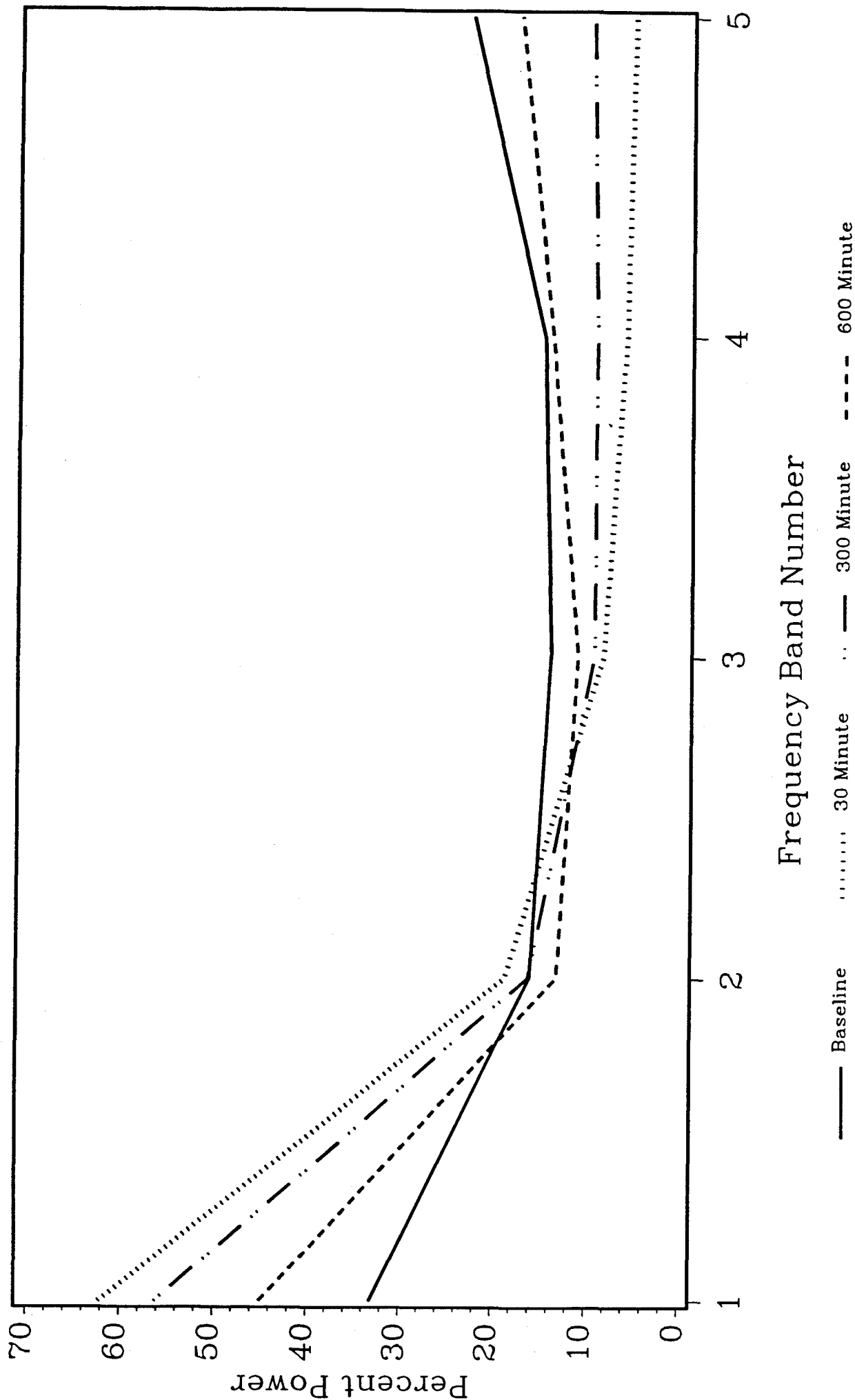
Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

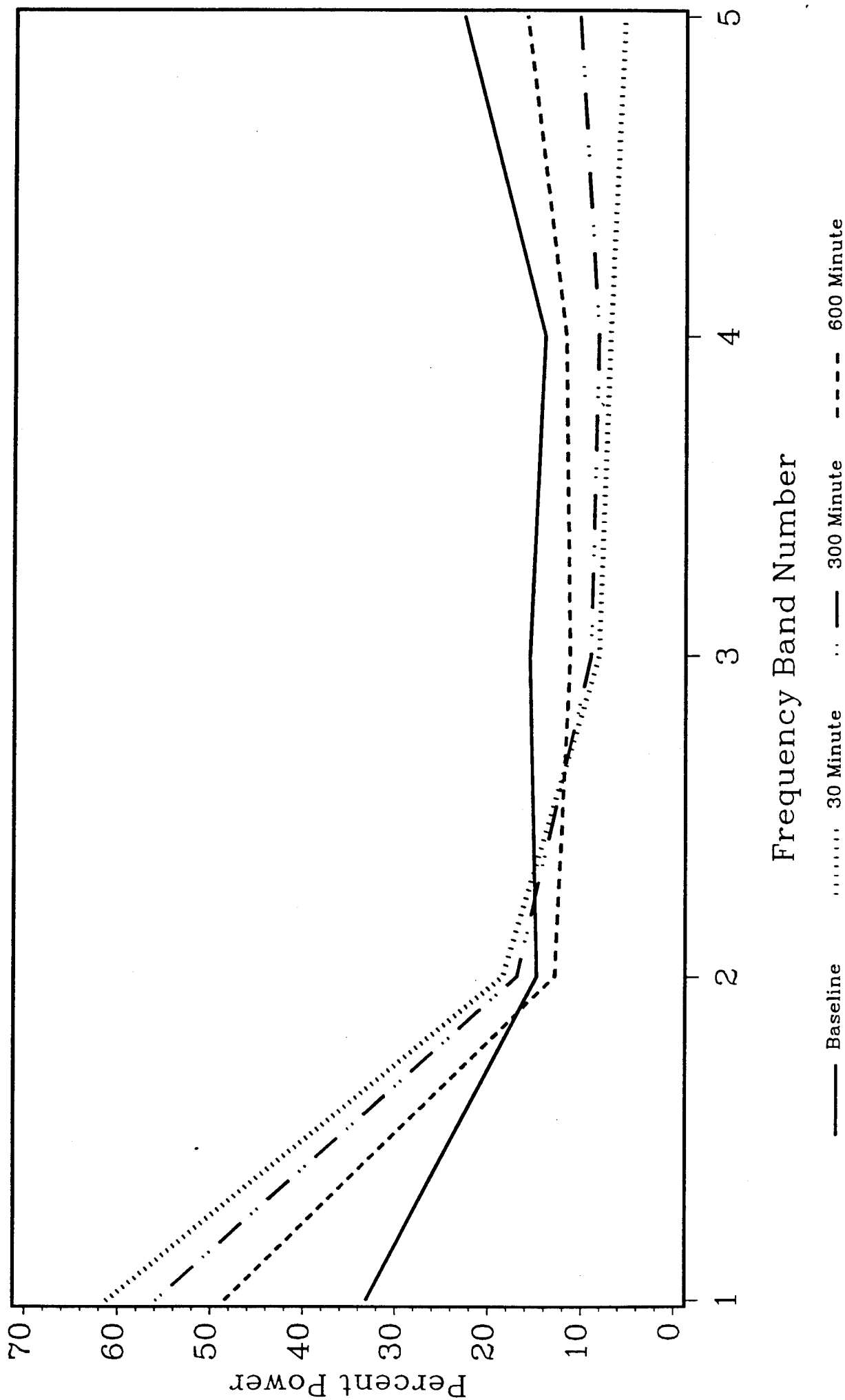
Animal ID=D275 Atropine Dose (mg/kg)=0.4 Channel=2



Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09
Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows
Animal ID=D275 Atropine Dose (mg/kg)=0.4 Channel=3



Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09
Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows
Animal ID=D275 Atropine Dose (mg/kg)=0.4 Channel=4



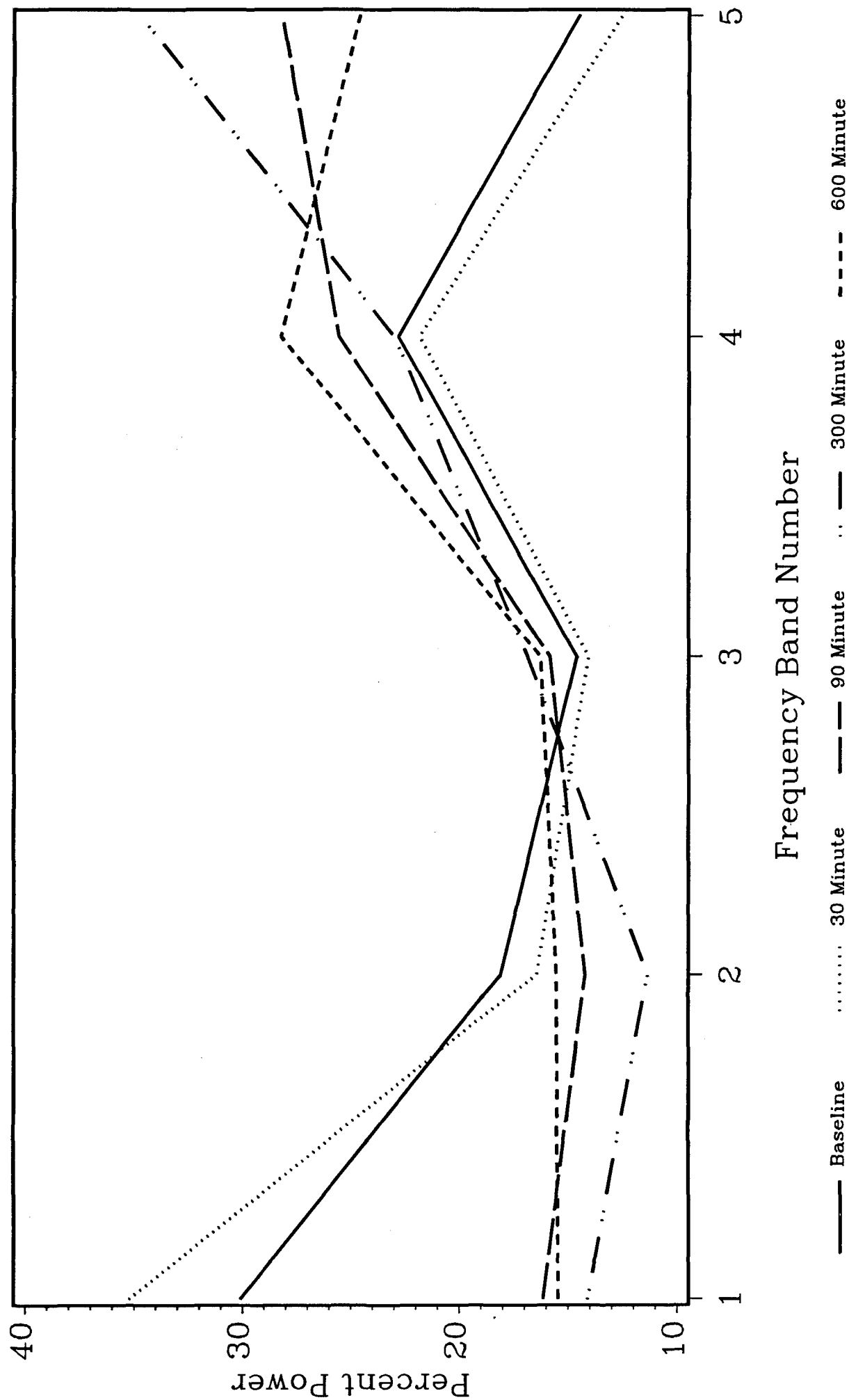
Animal D345

Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine

Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

Animal ID=D345 Atropine Dose (mg/kg)=0.0 Channel=1

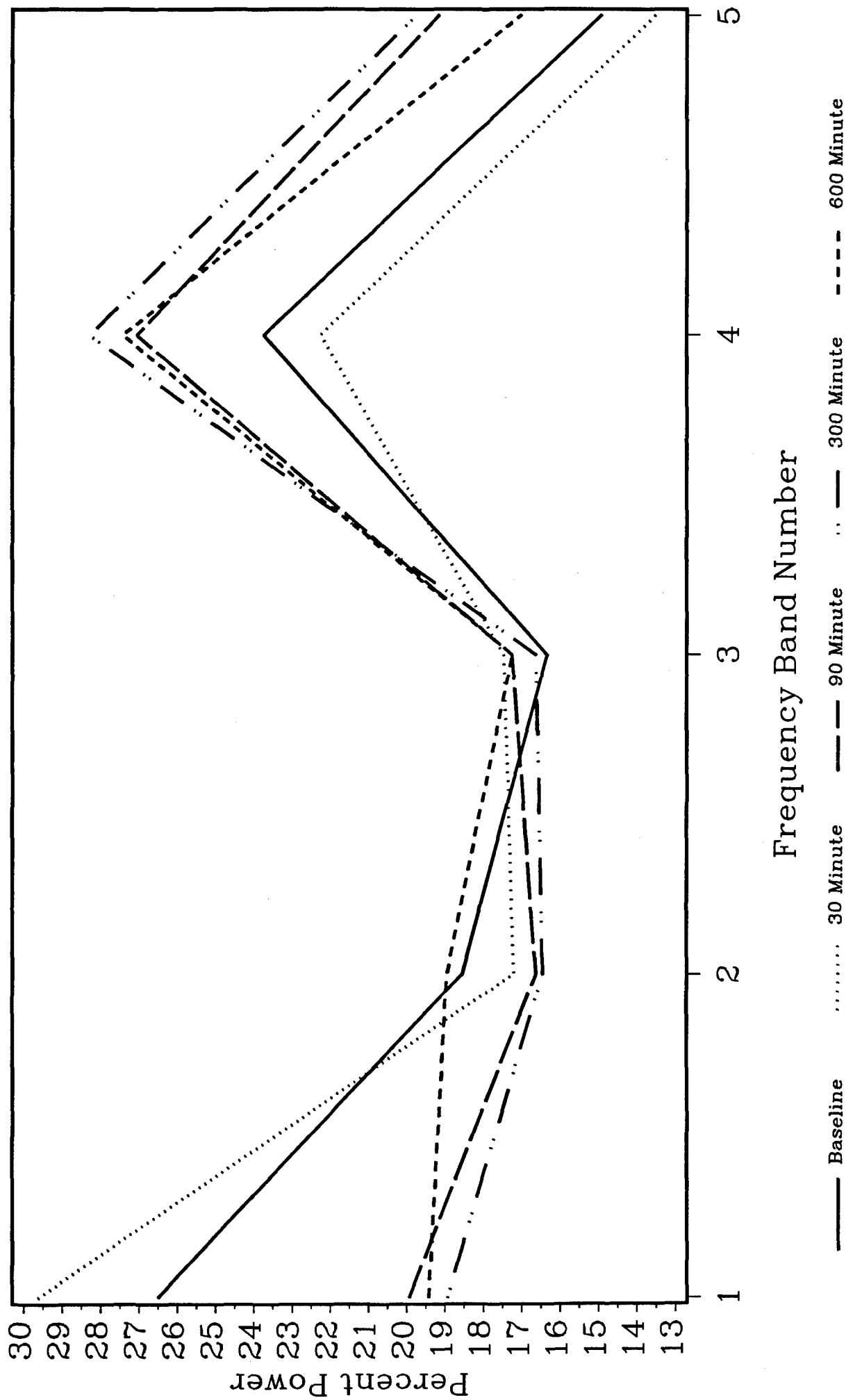


Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine

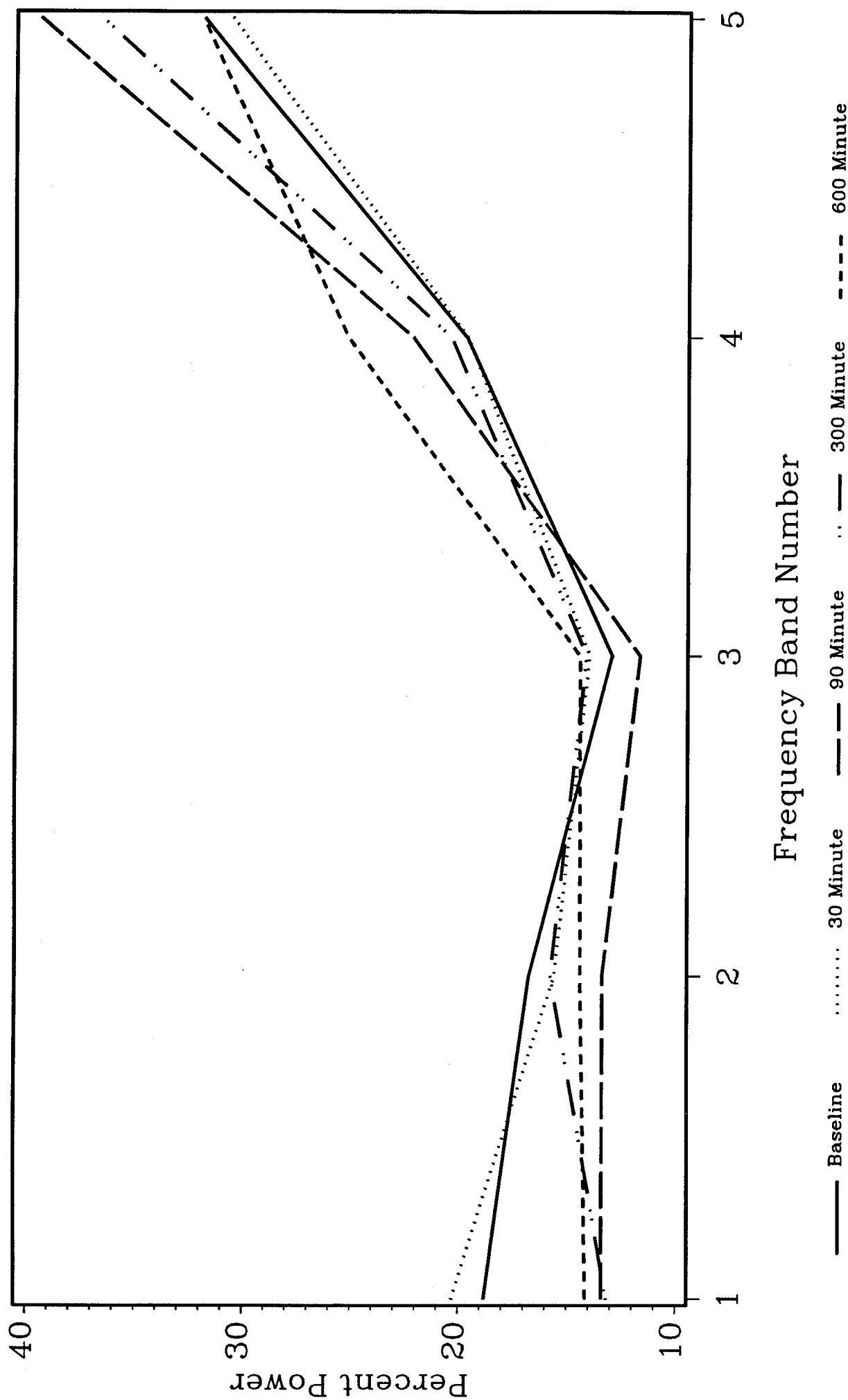
Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

Animal ID=D345 Atropine Dose (mg/kg)=0.0 Channel=2



Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09
Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows
Animal ID=D345 Atropine Dose (mg/kg)=0.0 Channel=3

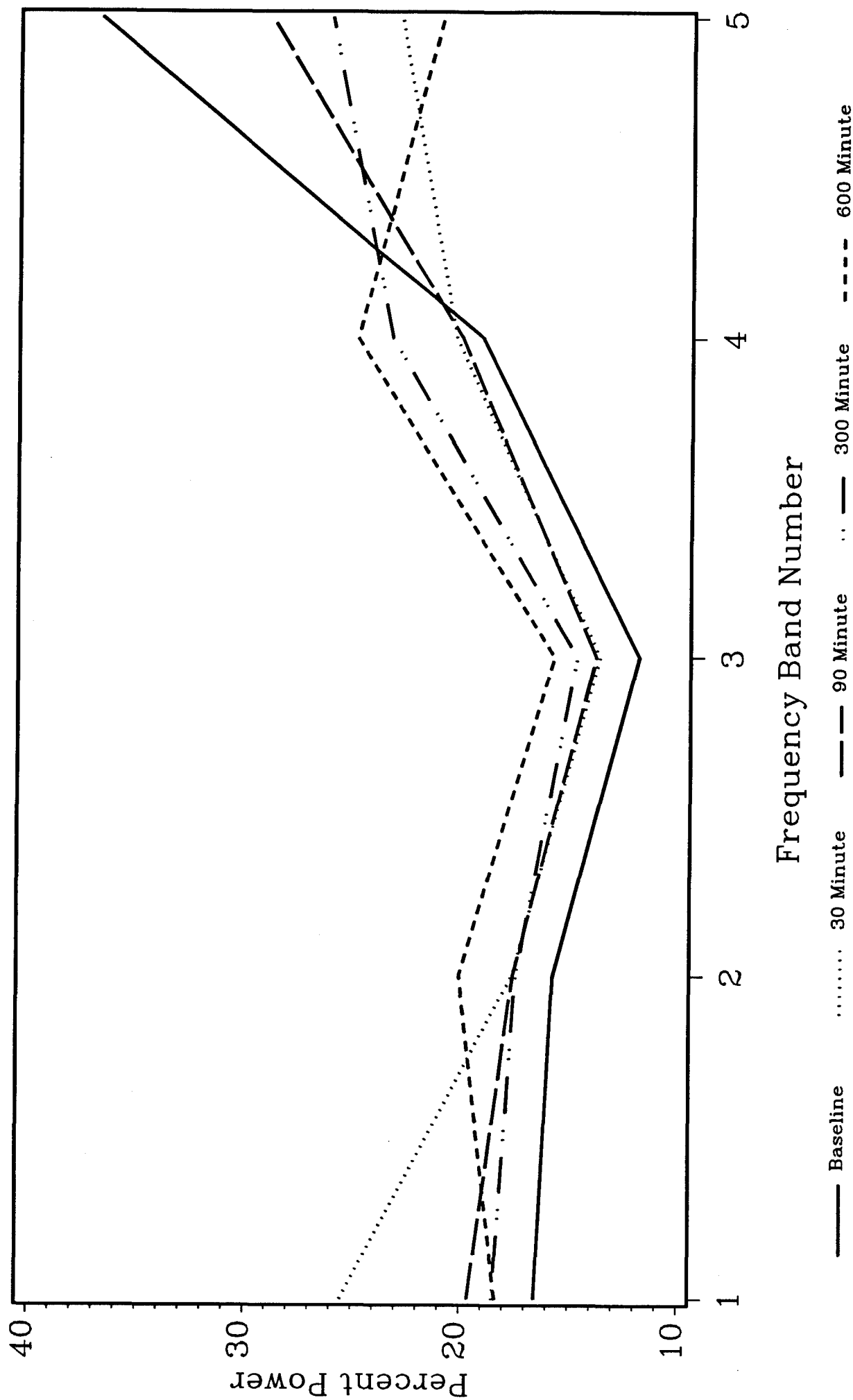


Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine

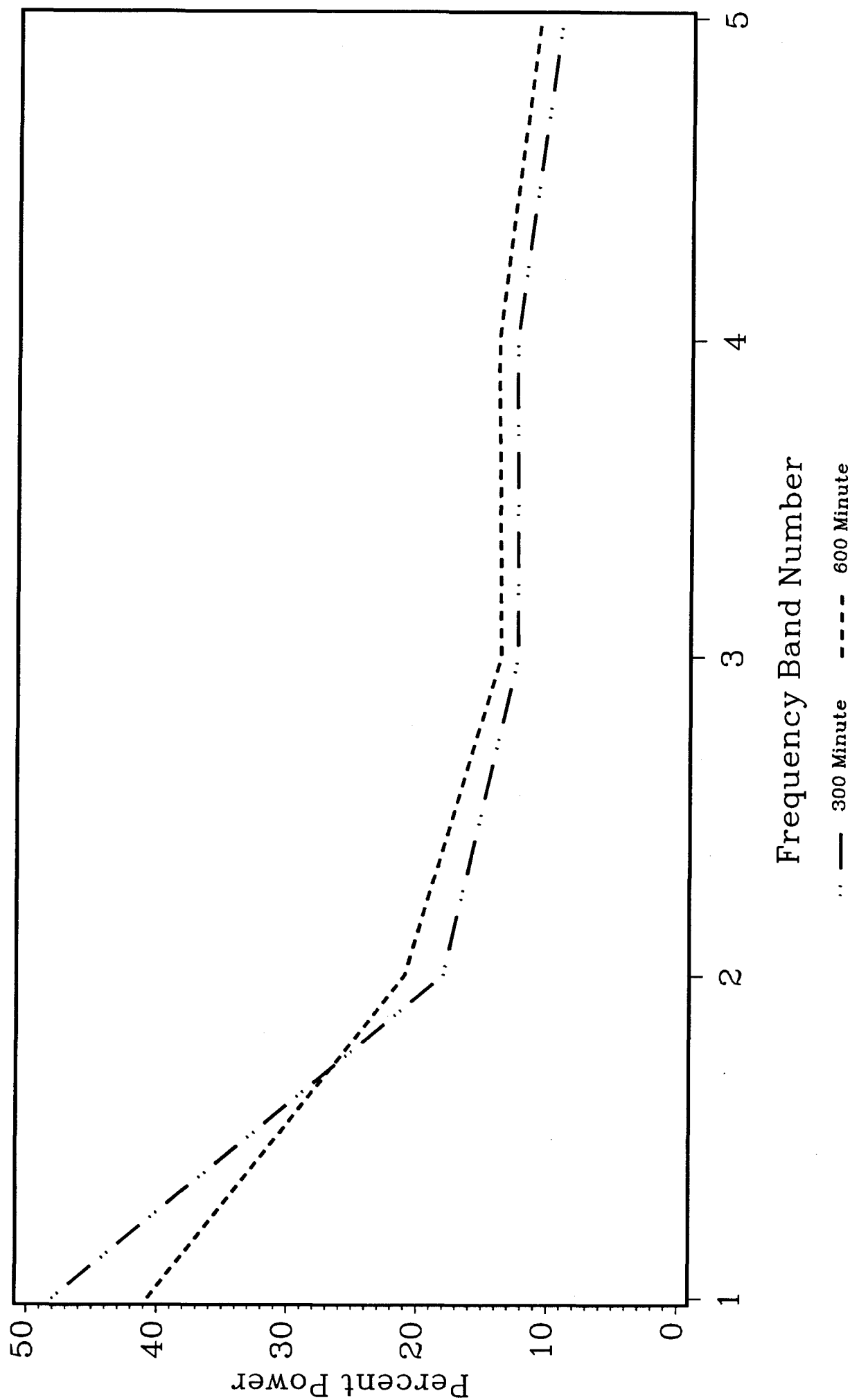
Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

Animal ID=D345 Atropine Dose (mg/kg)=0.0 Channel=4



Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09
Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows
Animal ID=D345 Atropine Dose (mg/kg)=0.1 Channel=1

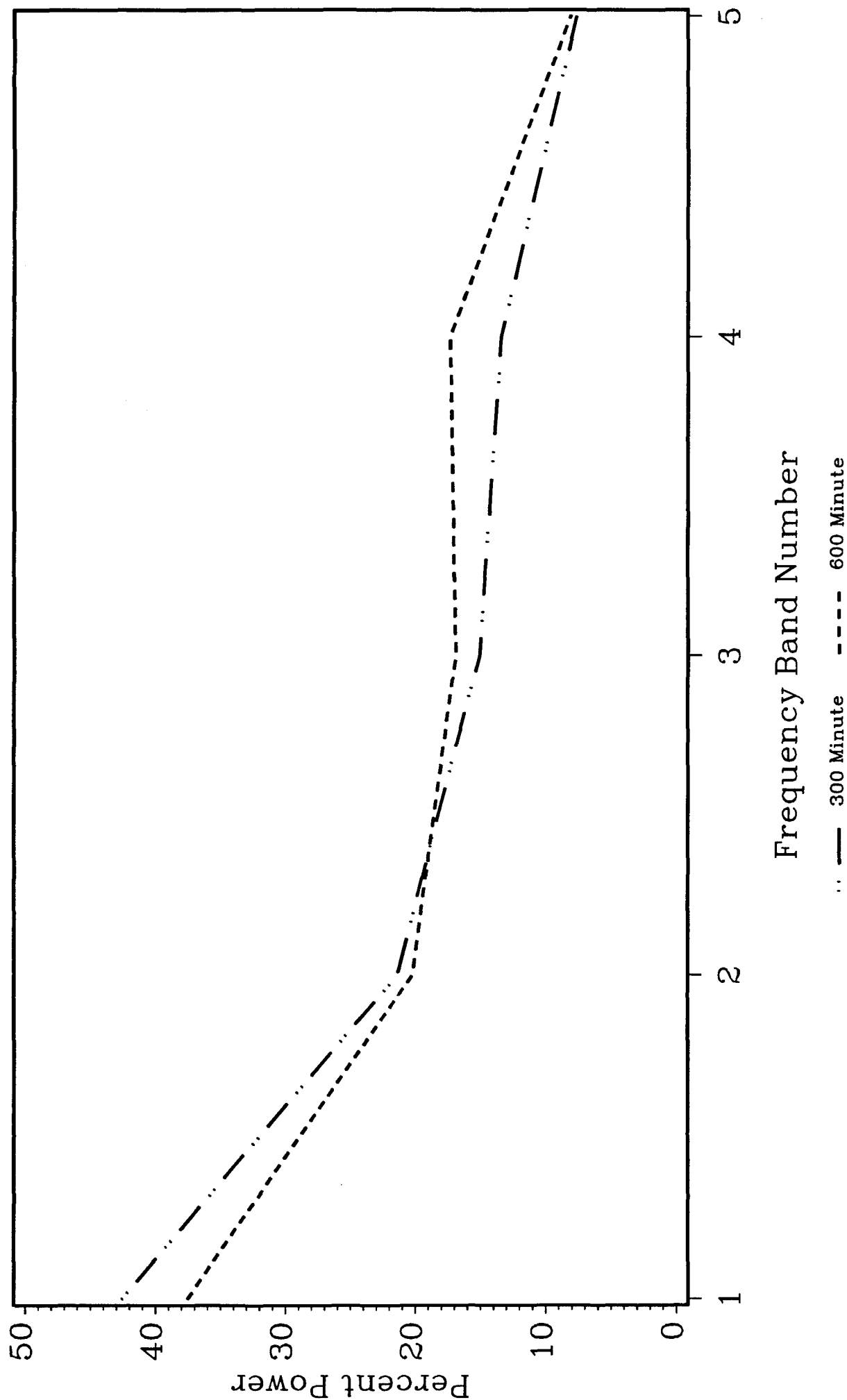


Spectral Re--Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine

Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

Animal ID=D345 Atropine Dose (mg/kg)=0.1 Channel=2

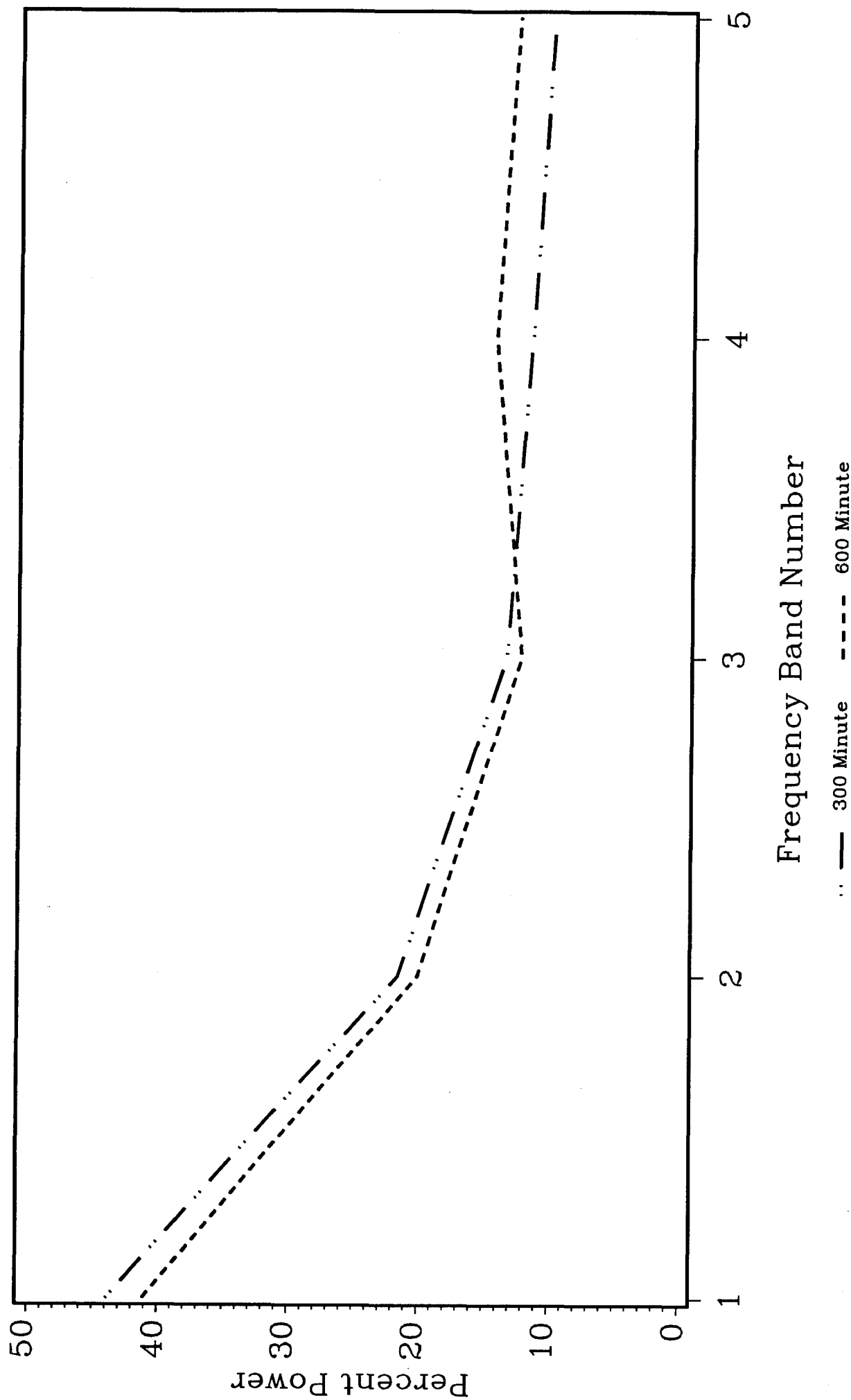


Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine

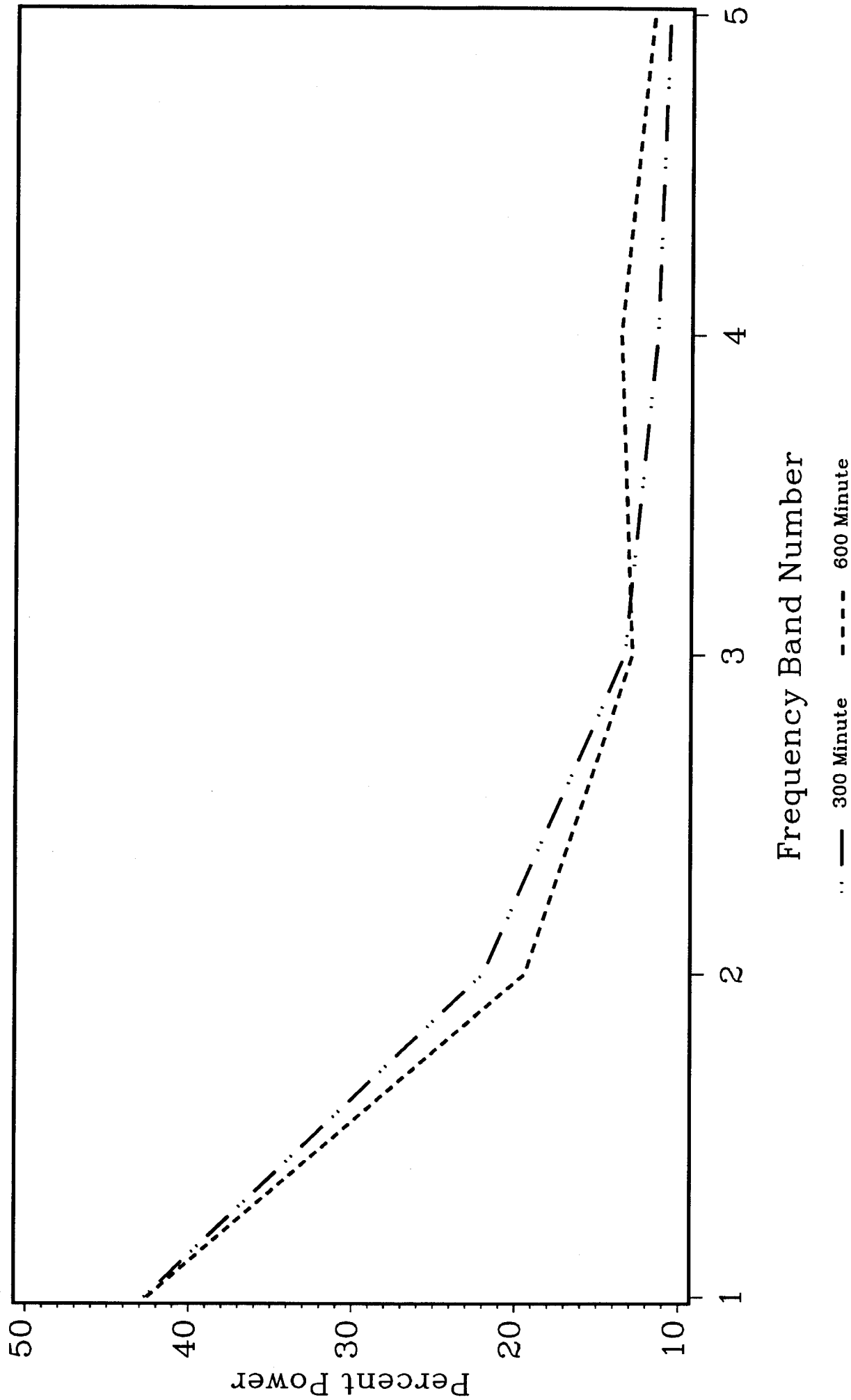
Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

Animal ID=D345 Atropine Dose (mg/kg)=0.1 Channel=3



Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09
Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows
Animal ID=D345 Atropine Dose (mg/kg)=0.1 Channel=4

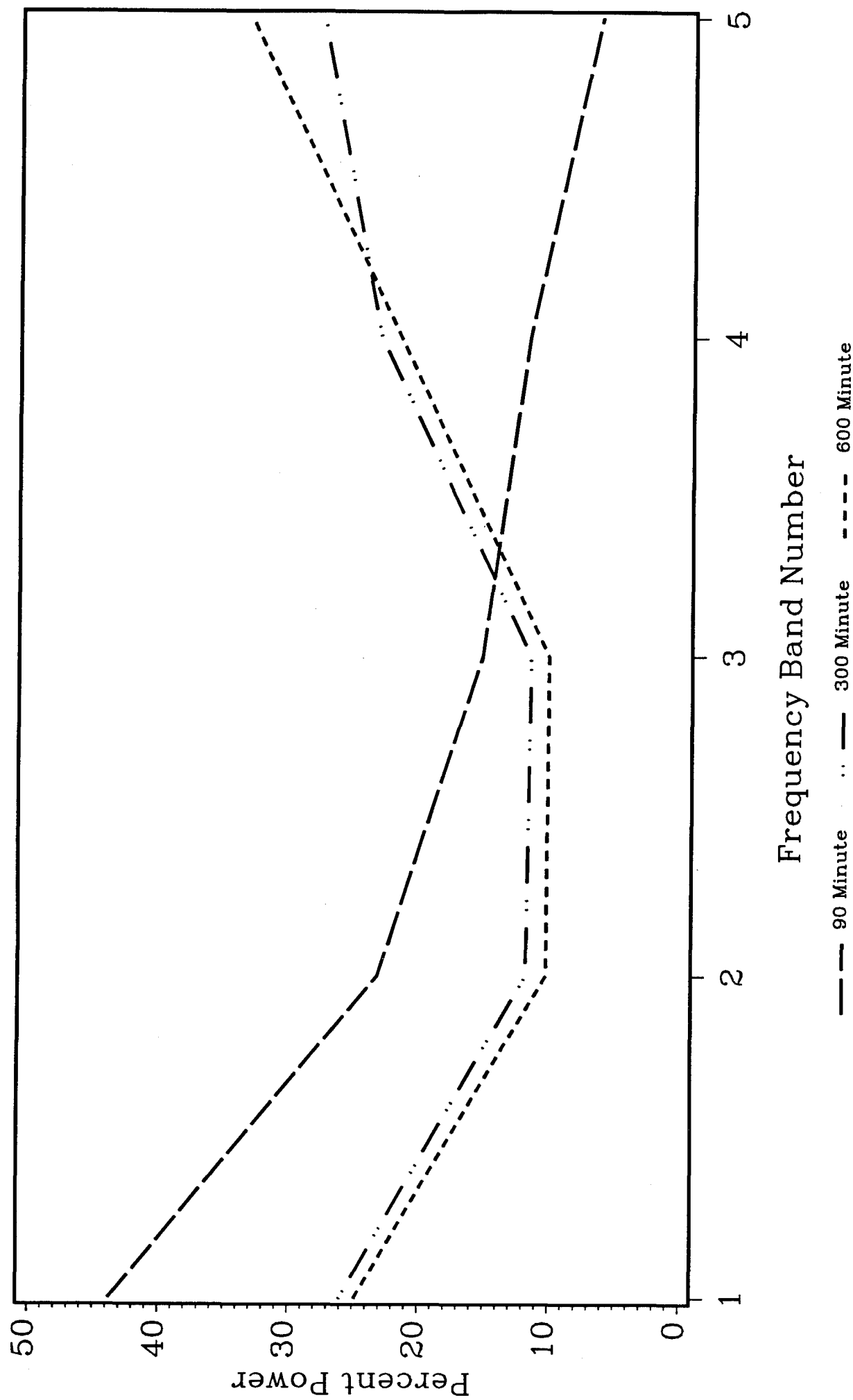


Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine

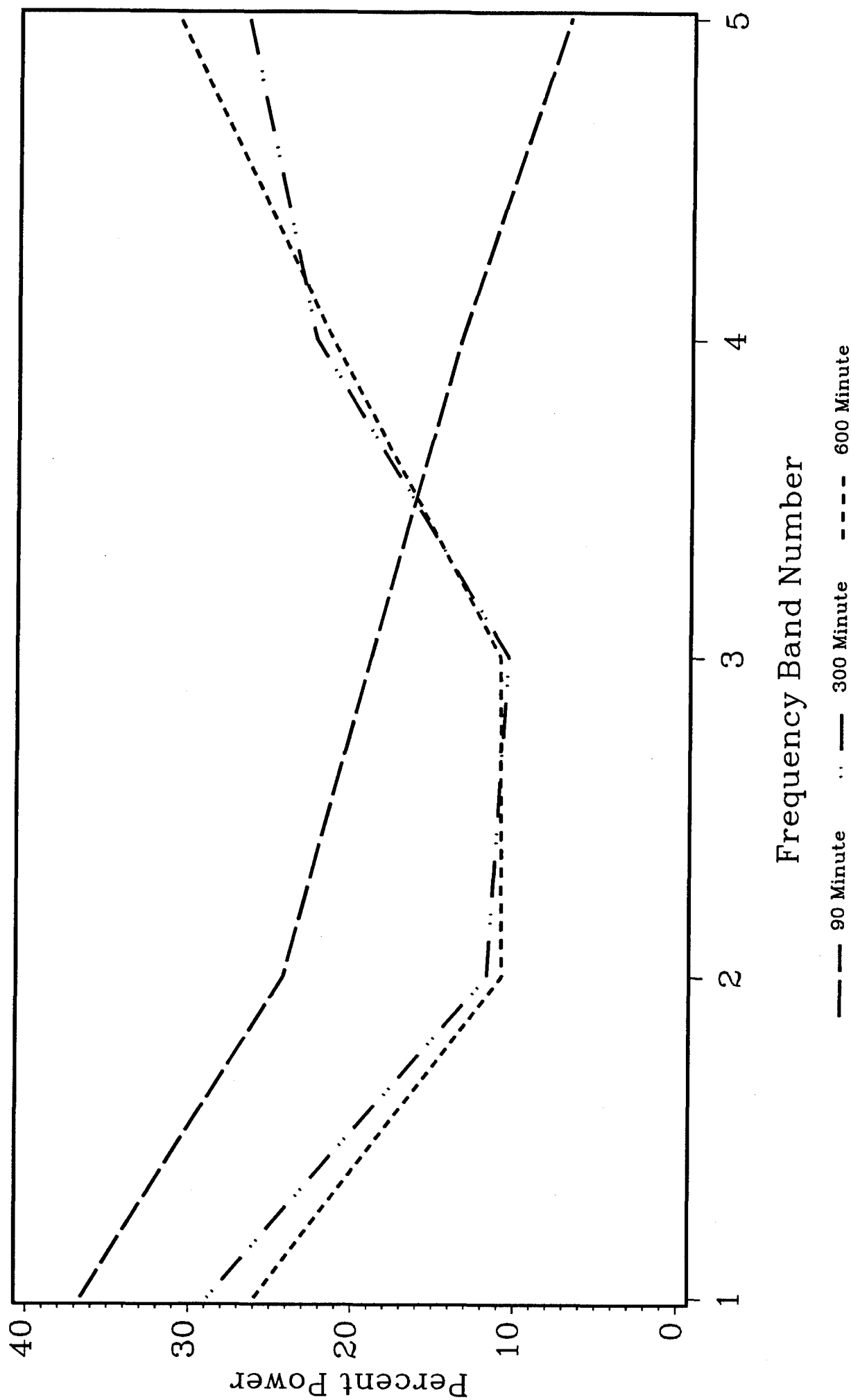
Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

Animal ID=D345 Atropine Dose (mg/kg)=0.2 Channel=1



Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09
Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows
Animal ID=D345 Atropine Dose (mg/kg)=0.2 Channel=2

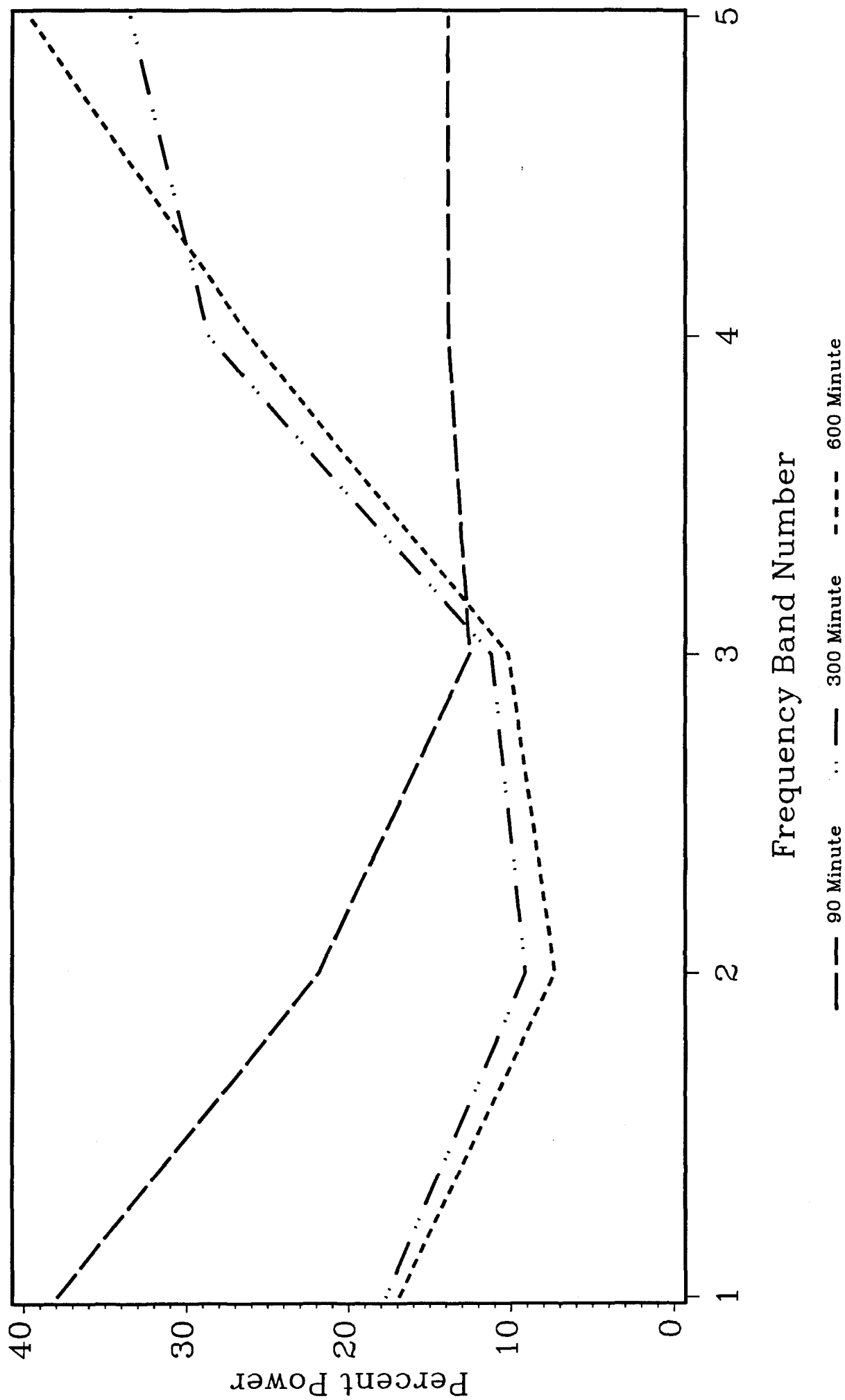


Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine

Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

Animal ID=D345 Atropine Dose (mg/kg)=0.2 Channel=3

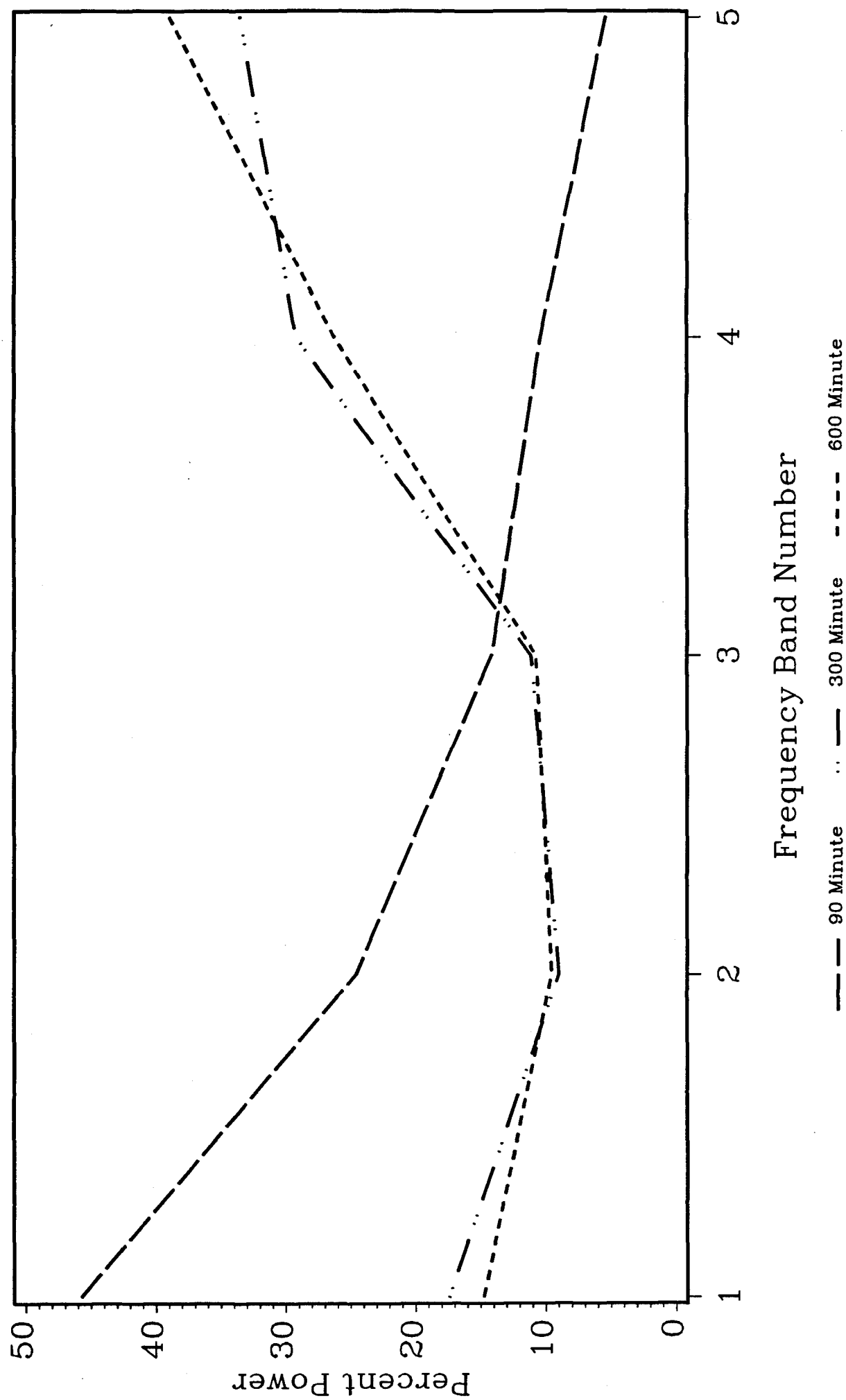


Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine

Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

Animal ID=D345 Atropine Dose (mg/kg)=0.2 Channel=4

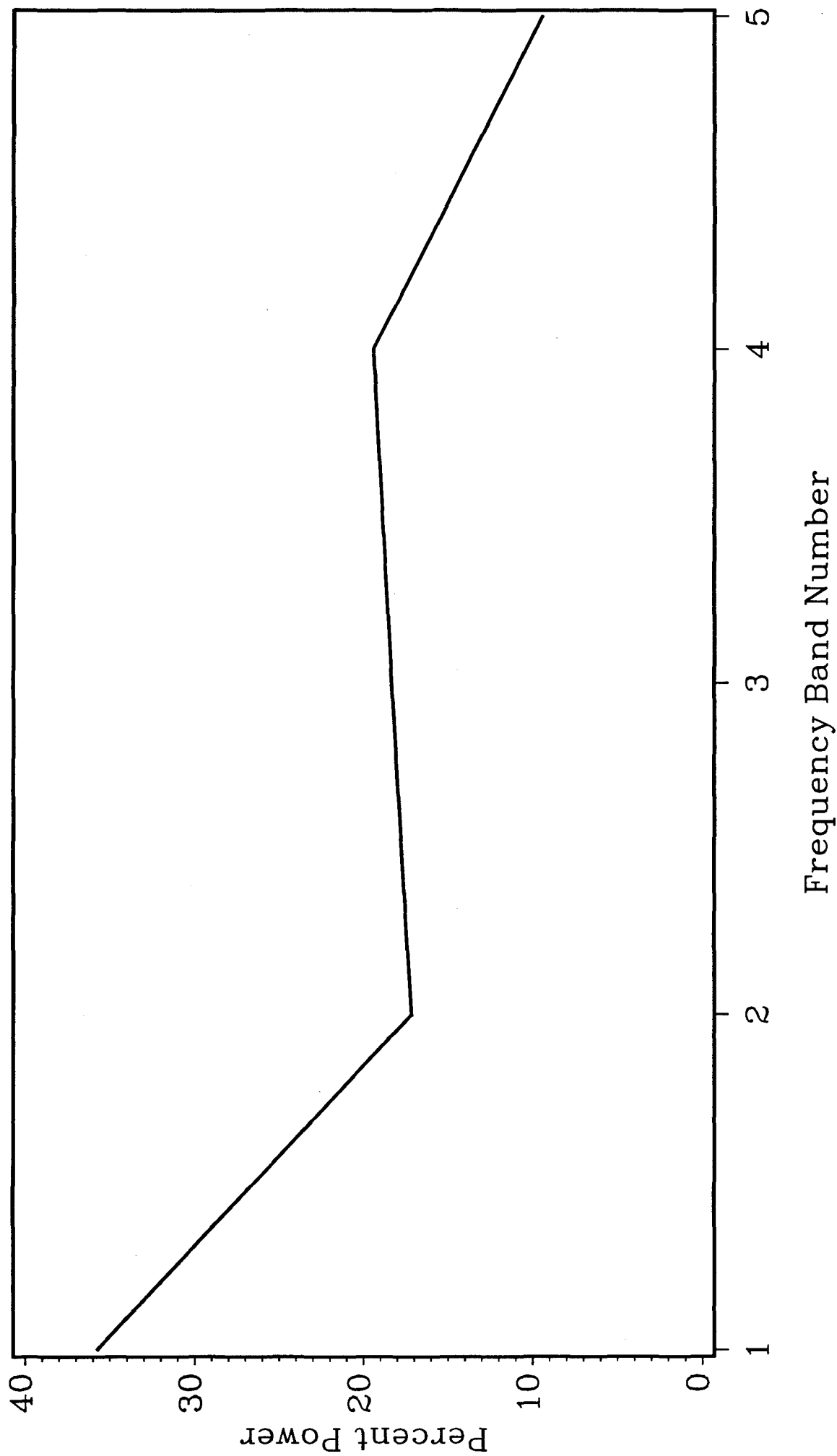


Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine

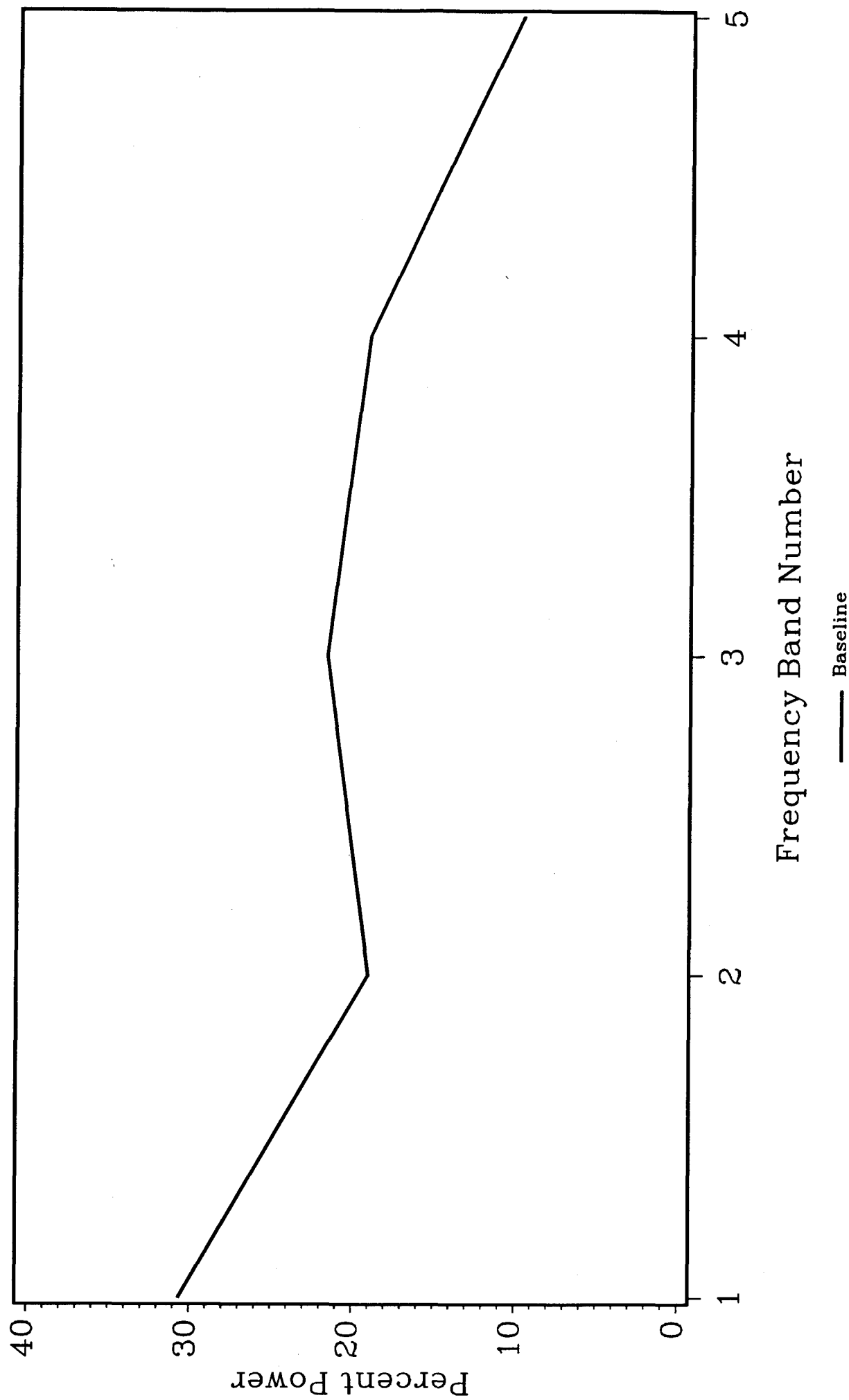
Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

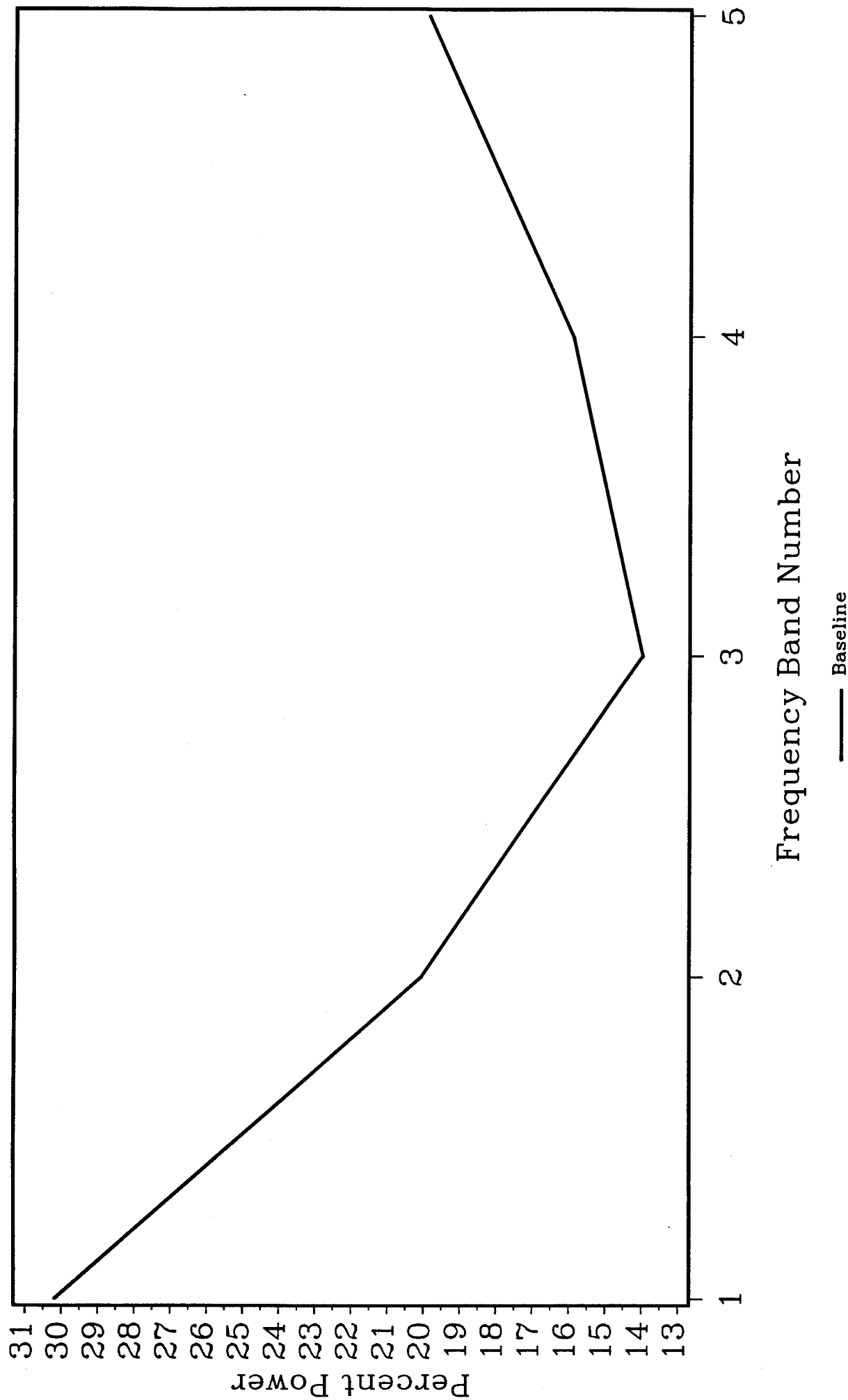
Animal ID=D345 Atropine Dose (mg/kg)=0.4 Channel=1



Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09
Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows
Animal ID=D345 Atropine Dose (mg/kg)=0.4 Channel=2



Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09
Animal ID=D345 Atropine Dose (mg/kg)=0.4 Channel=3

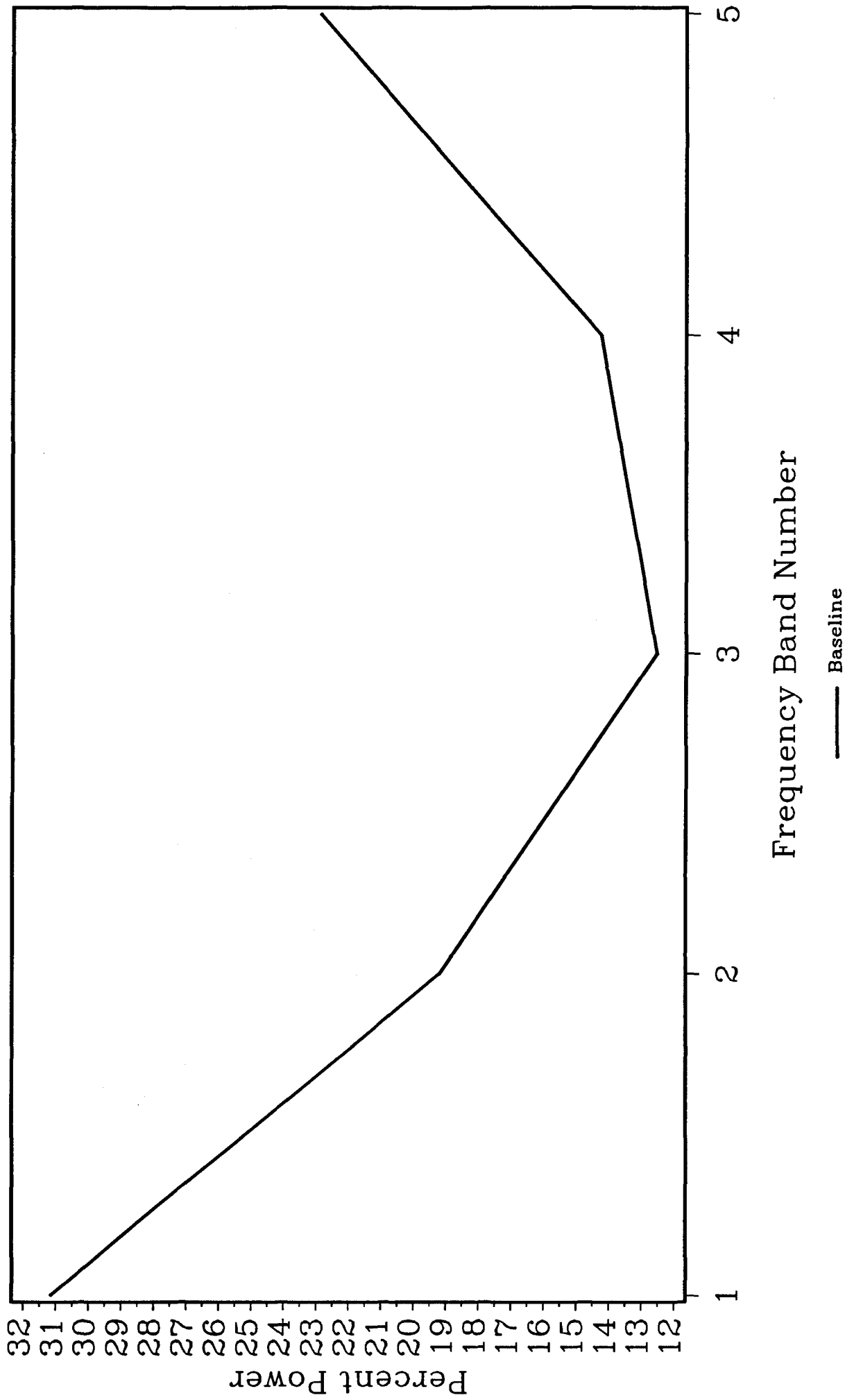


Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine

Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

Animal ID=D345 Atropine Dose (mg/kg)=0.4 Channel=4



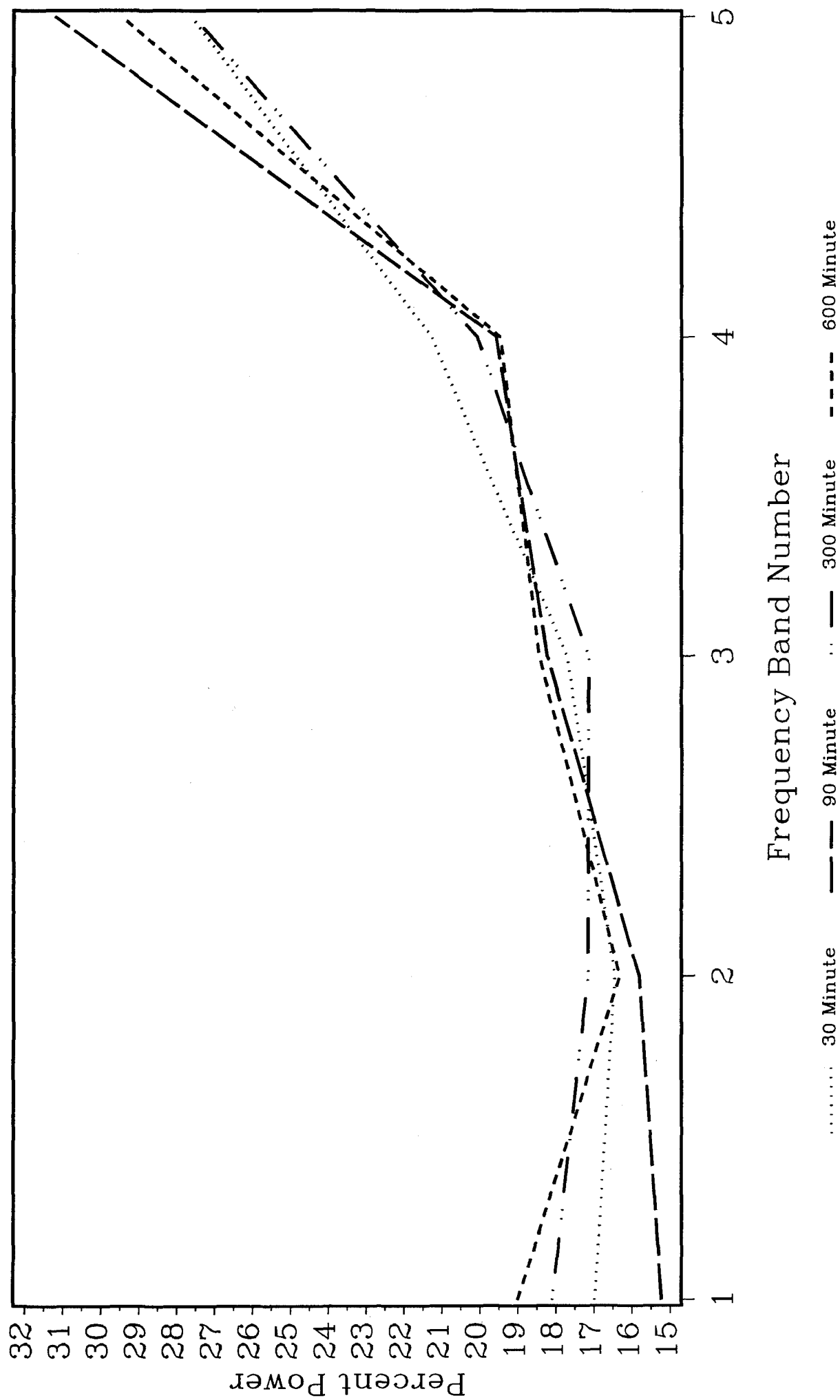
Animal E109

Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine

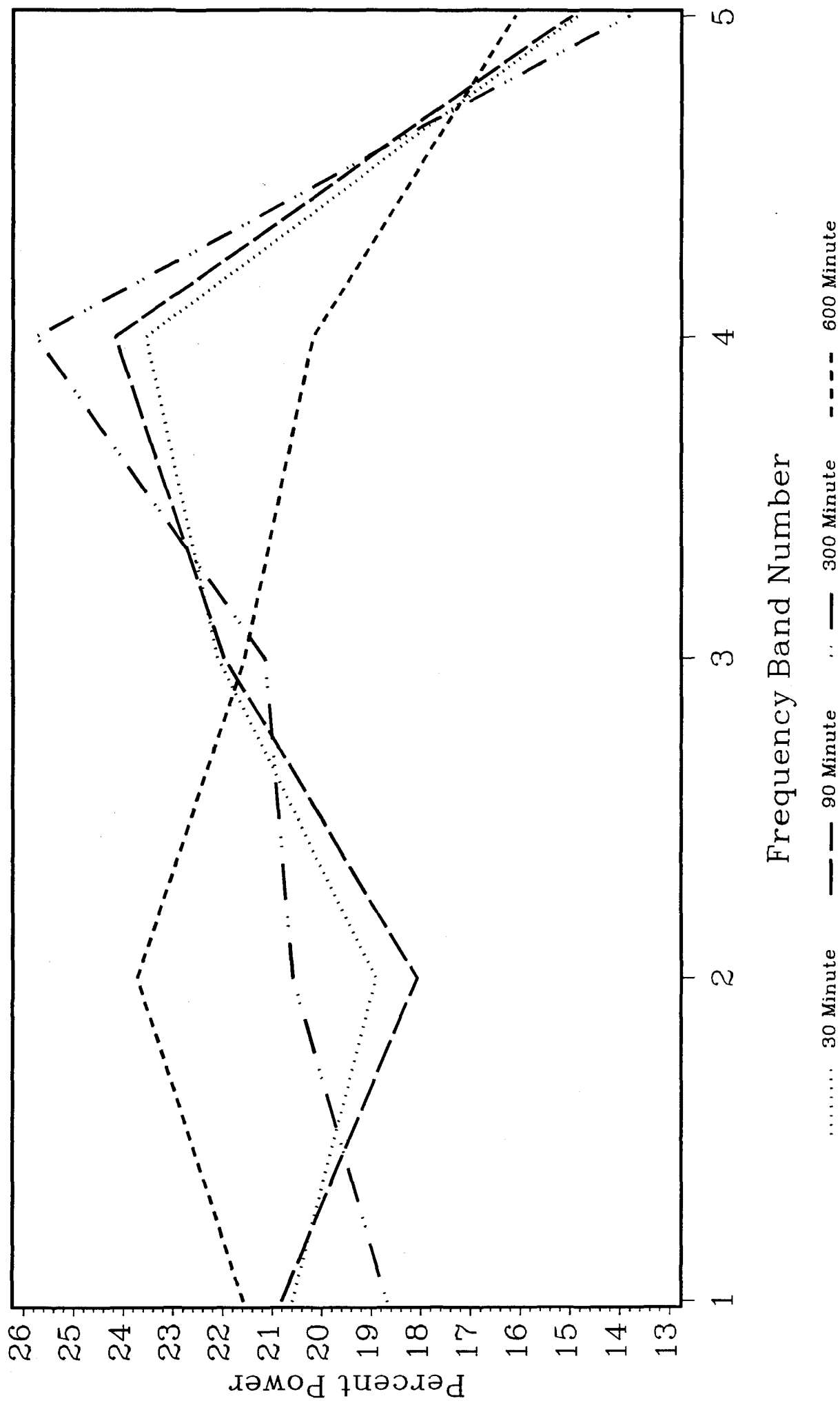
Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

Animal ID=E109 Atropine Dose (mg/kg)=0.0 Channel=1



Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09
Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows
Animal ID=E109 Atropine Dose (mg/kg)=0.0 Channel=2

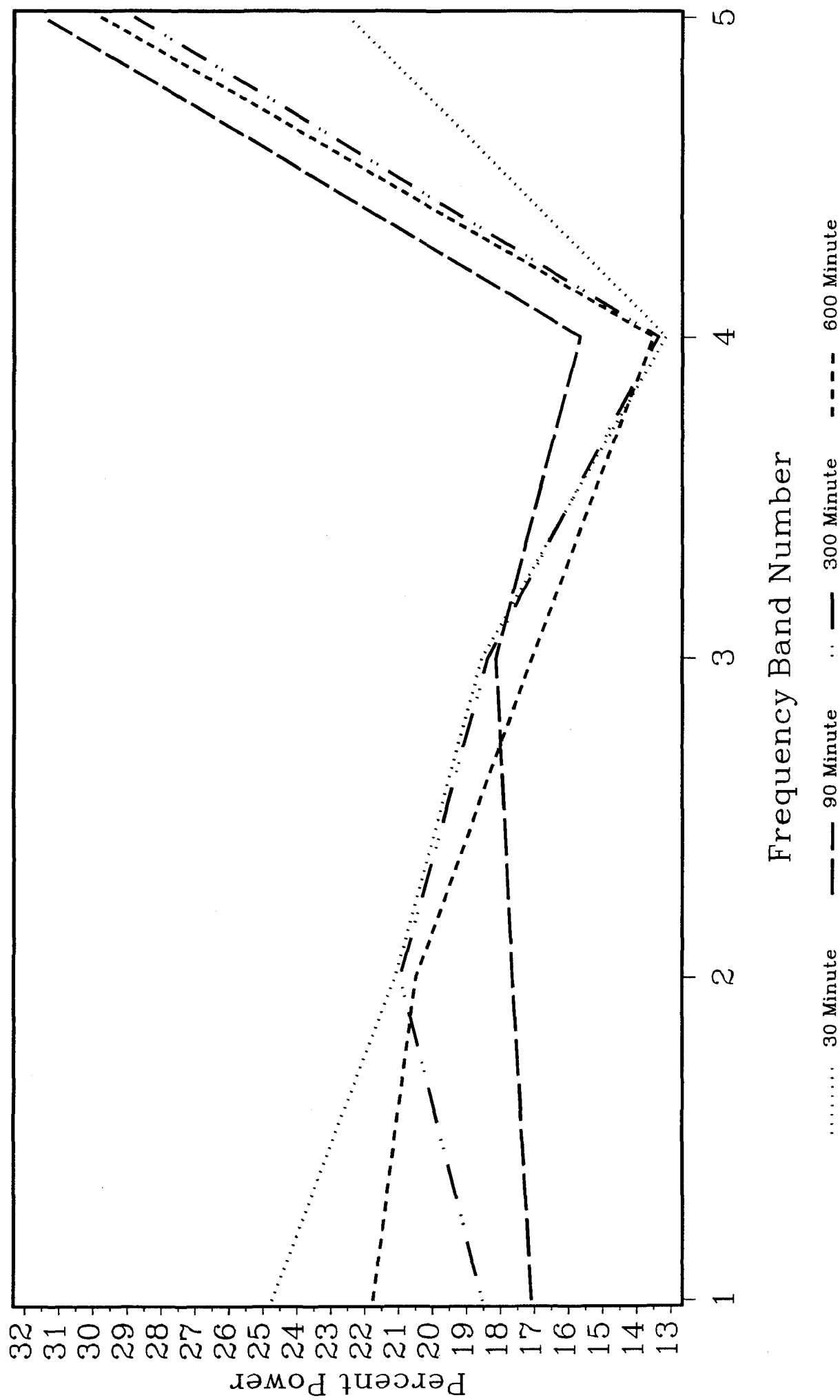


Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine

Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

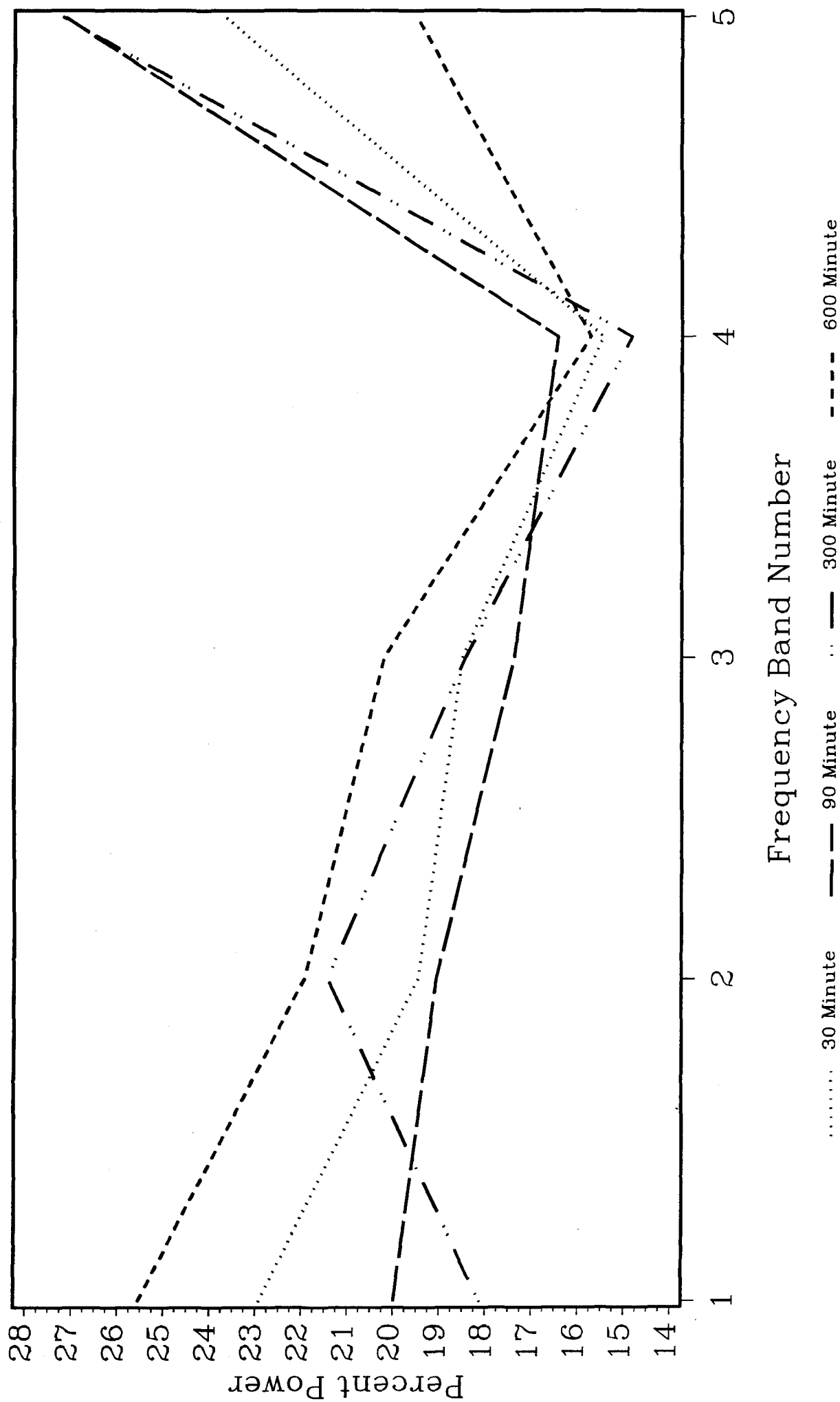
Animal ID=E109 Atropine Dose (mg/kg)=0.0 Channel=3



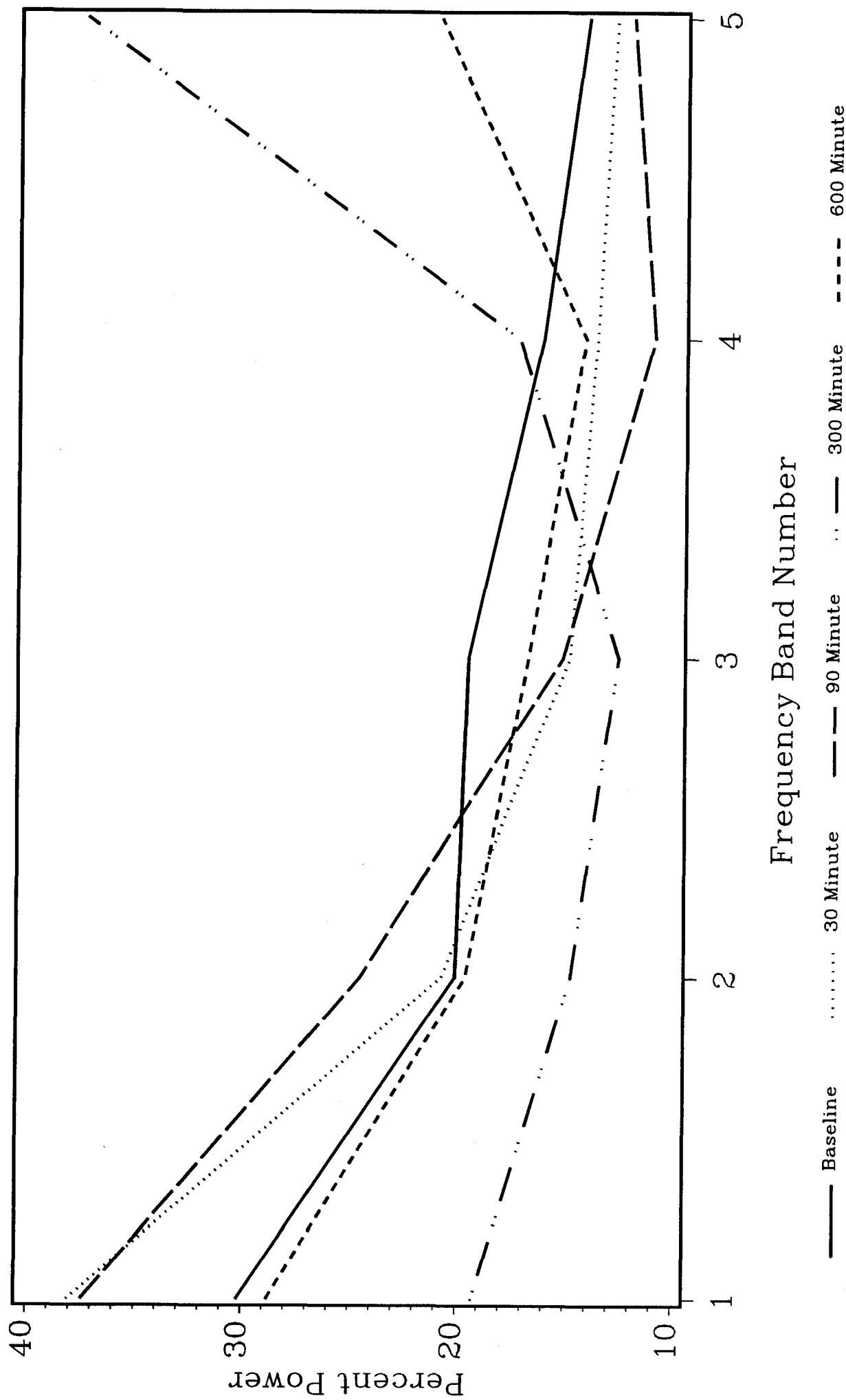
Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

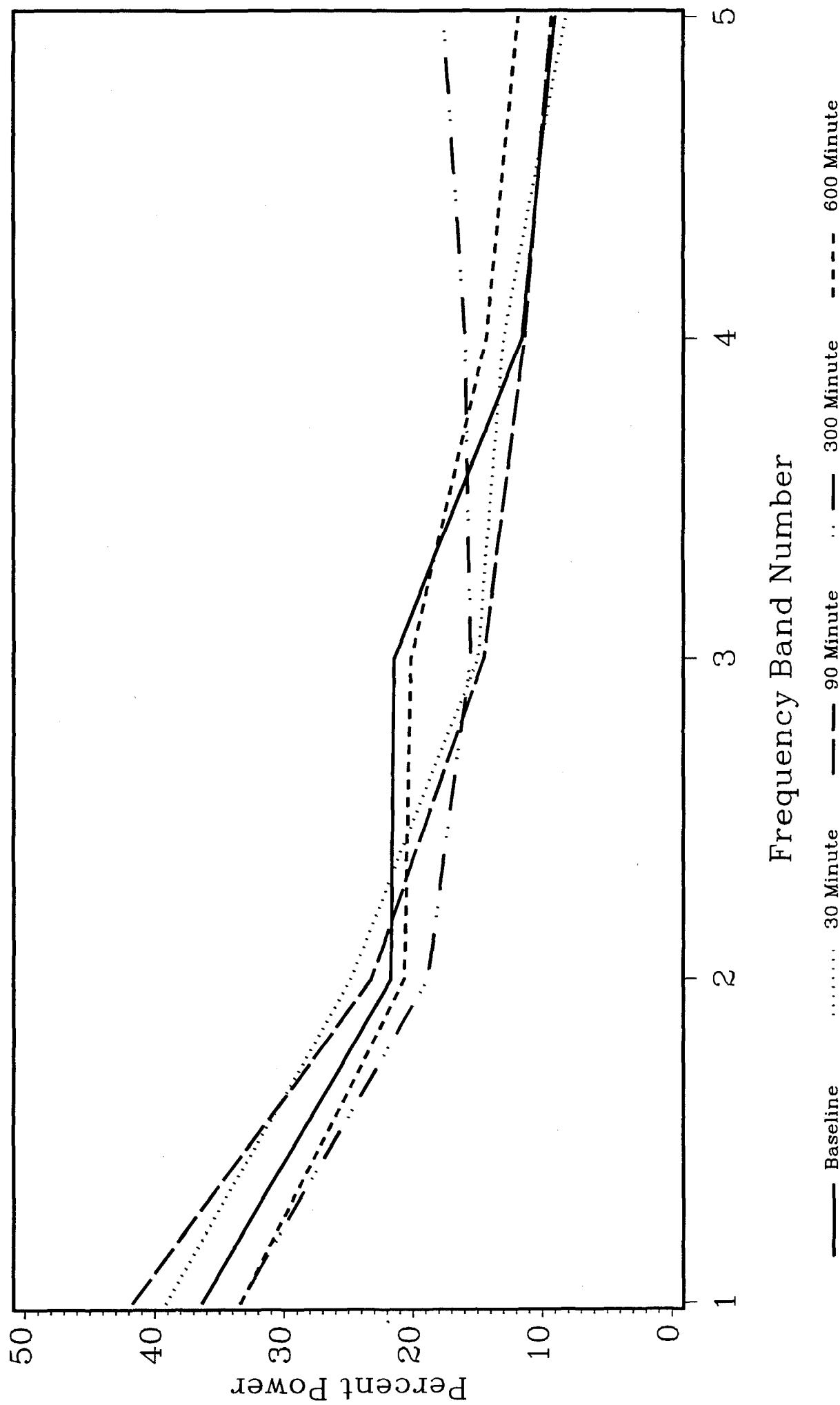
Animal ID=E109 Atropine Dose (mg/kg)=0.0 Channel=4



Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09
Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows
Animal ID=E109 Atropine Dose (mg/kg)=0.1 Channel=1



Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09
Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows
Animal ID=E109 Atropine Dose (mg/kg)=0.1 Channel=2

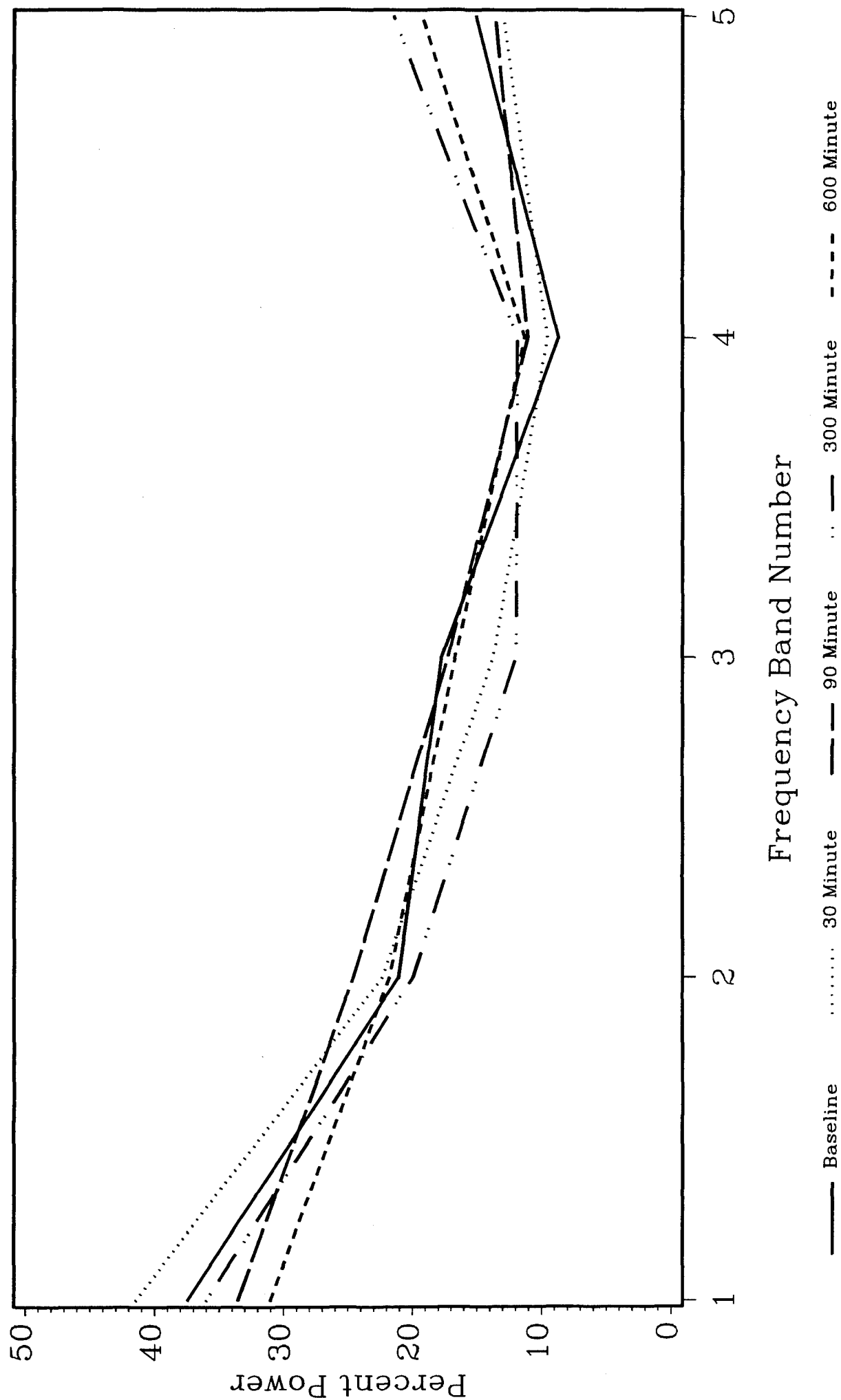


Spectral Re--Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine

Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

Animal ID=E109 Atropine Dose (mg/kg)=0.1 Channel=3

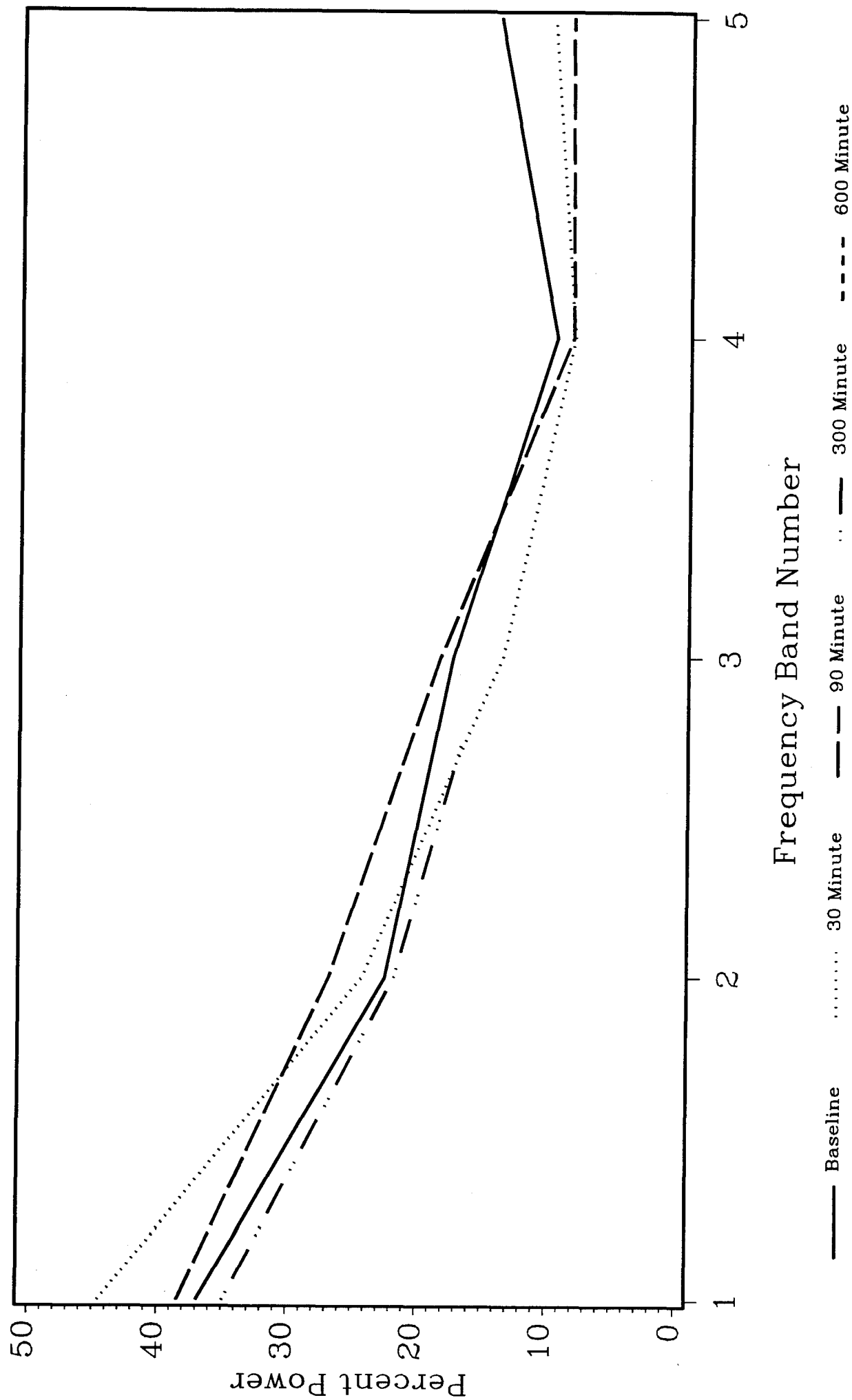


Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine

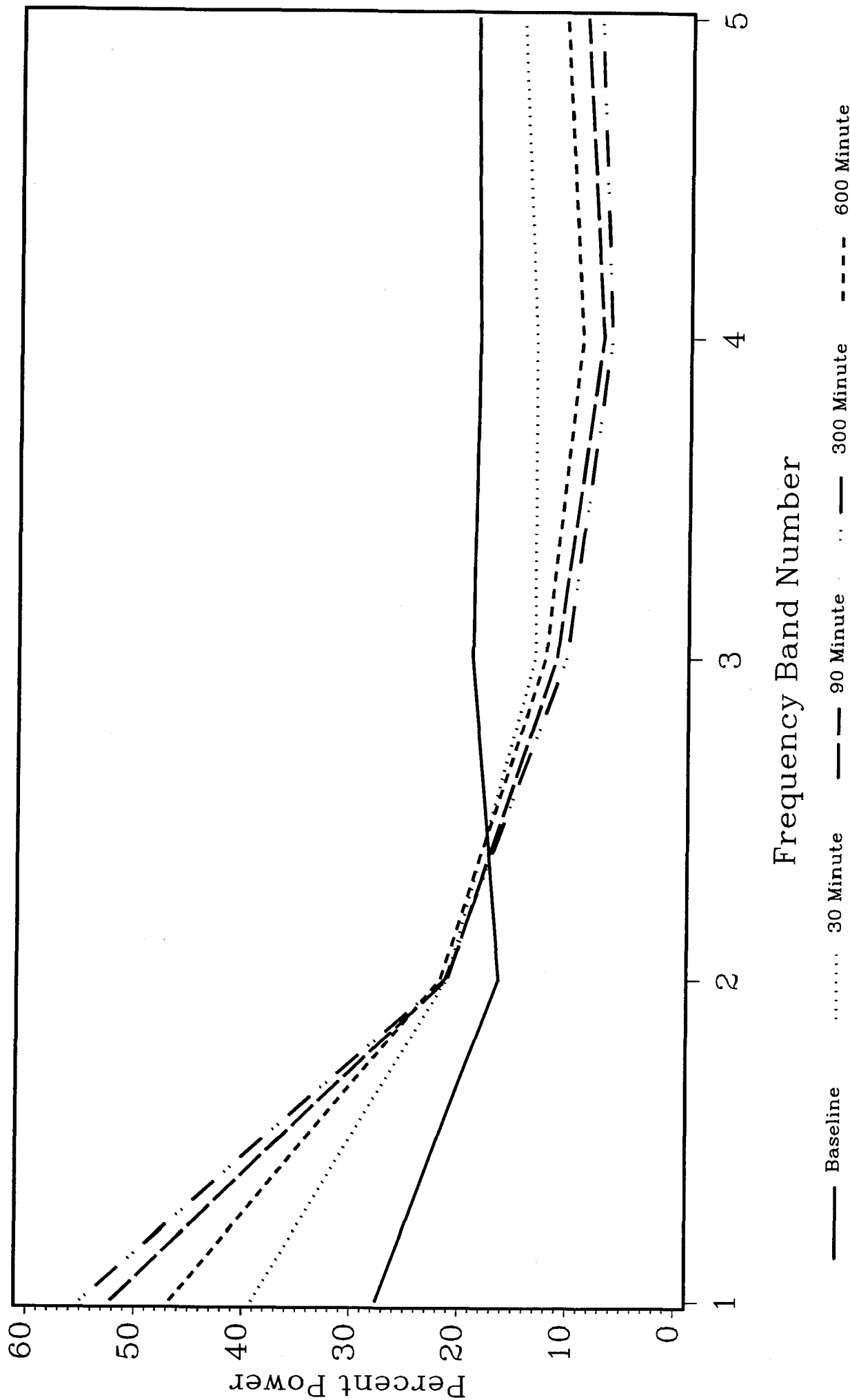
Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

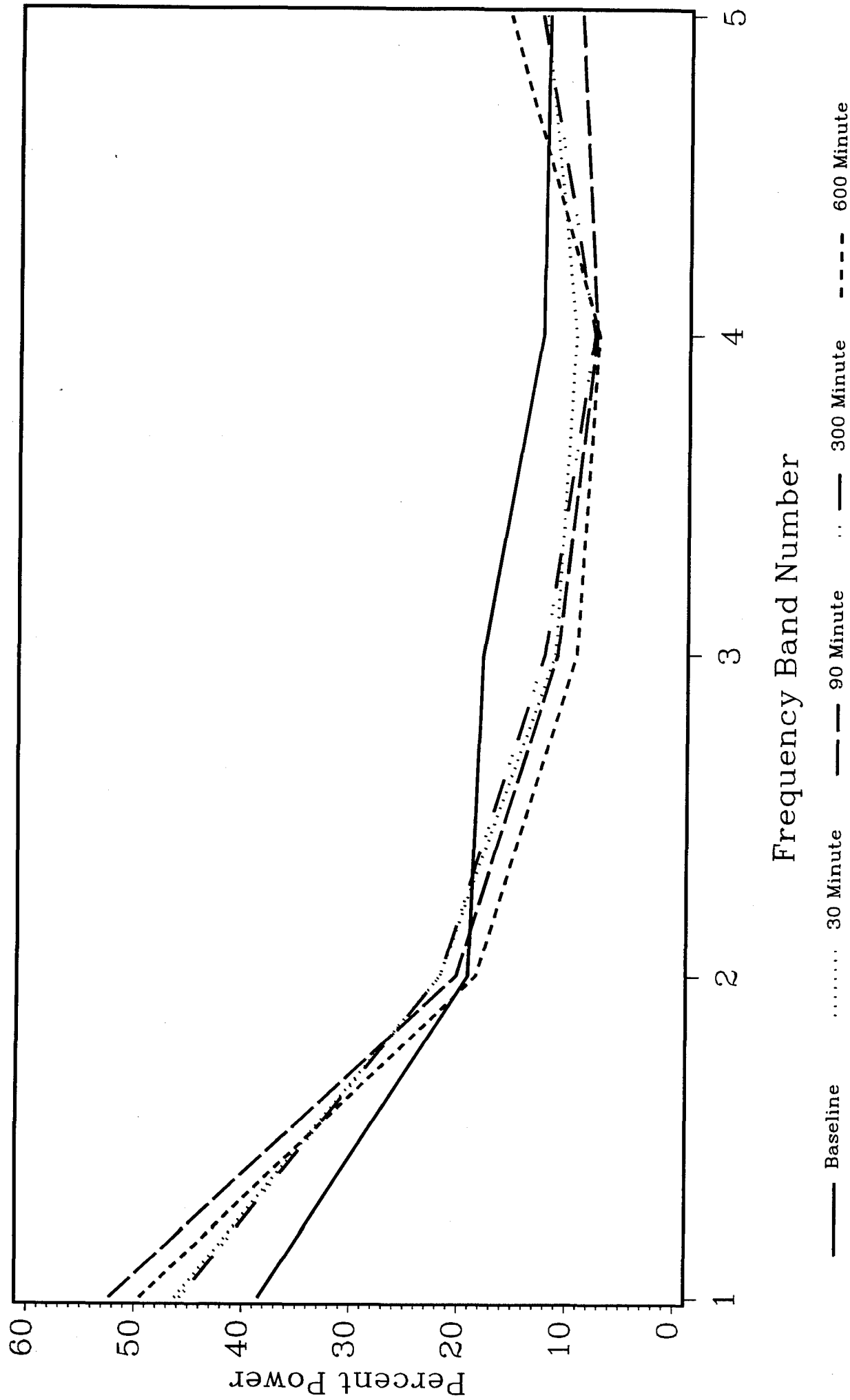
Animal ID=E109 Atropine Dose (mg/kg)=0.1 Channel=4



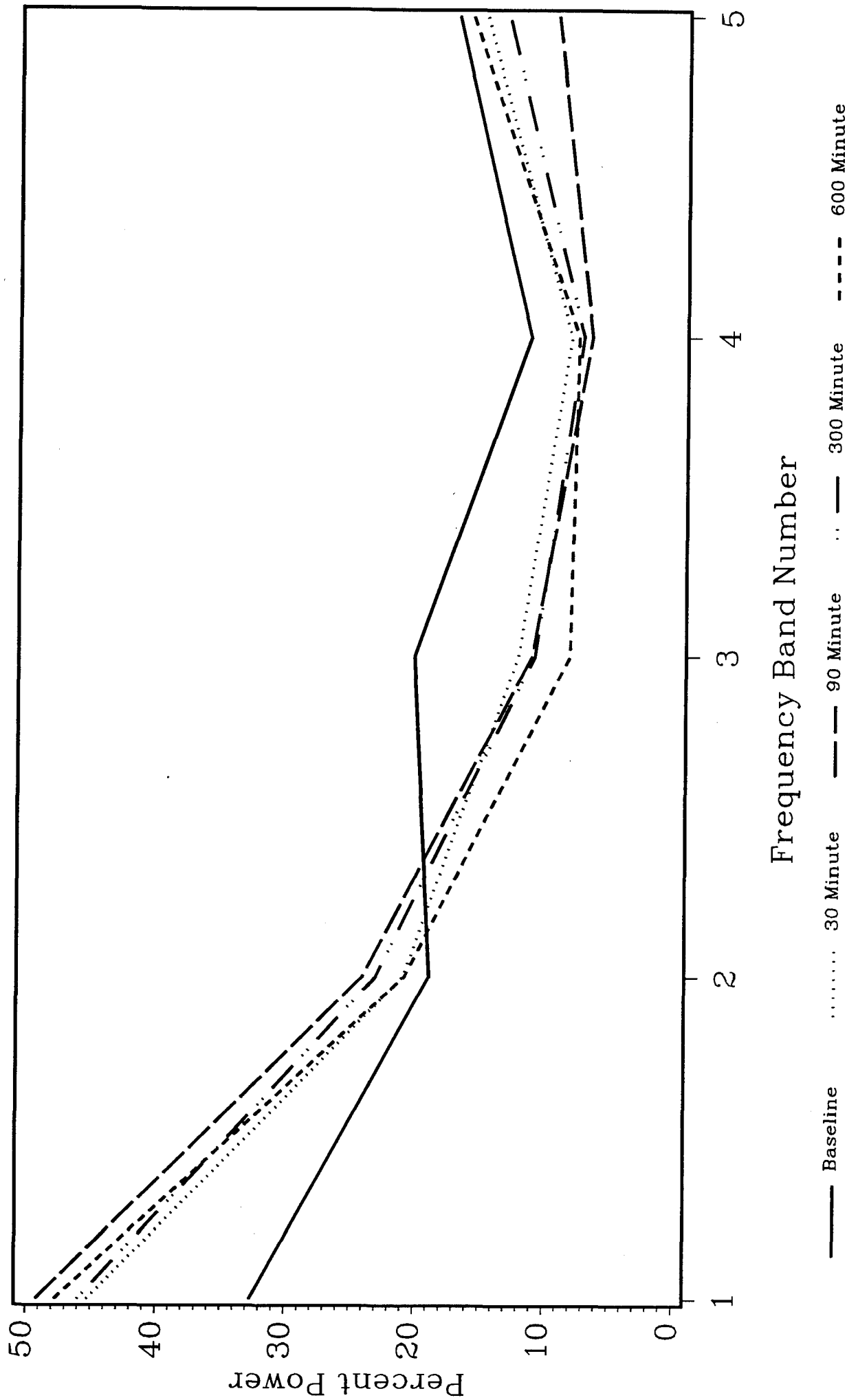
Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09
Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows
Animal ID=E109 Atropine Dose (mg/kg)=0.2 Channel=1



Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09
Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows
Animal ID=E109 Atropine Dose (mg/kg)=0.2 Channel=2



Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09
Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows
Animal ID=E109 Atropine Dose (mg/kg)=0.2 Channel=3

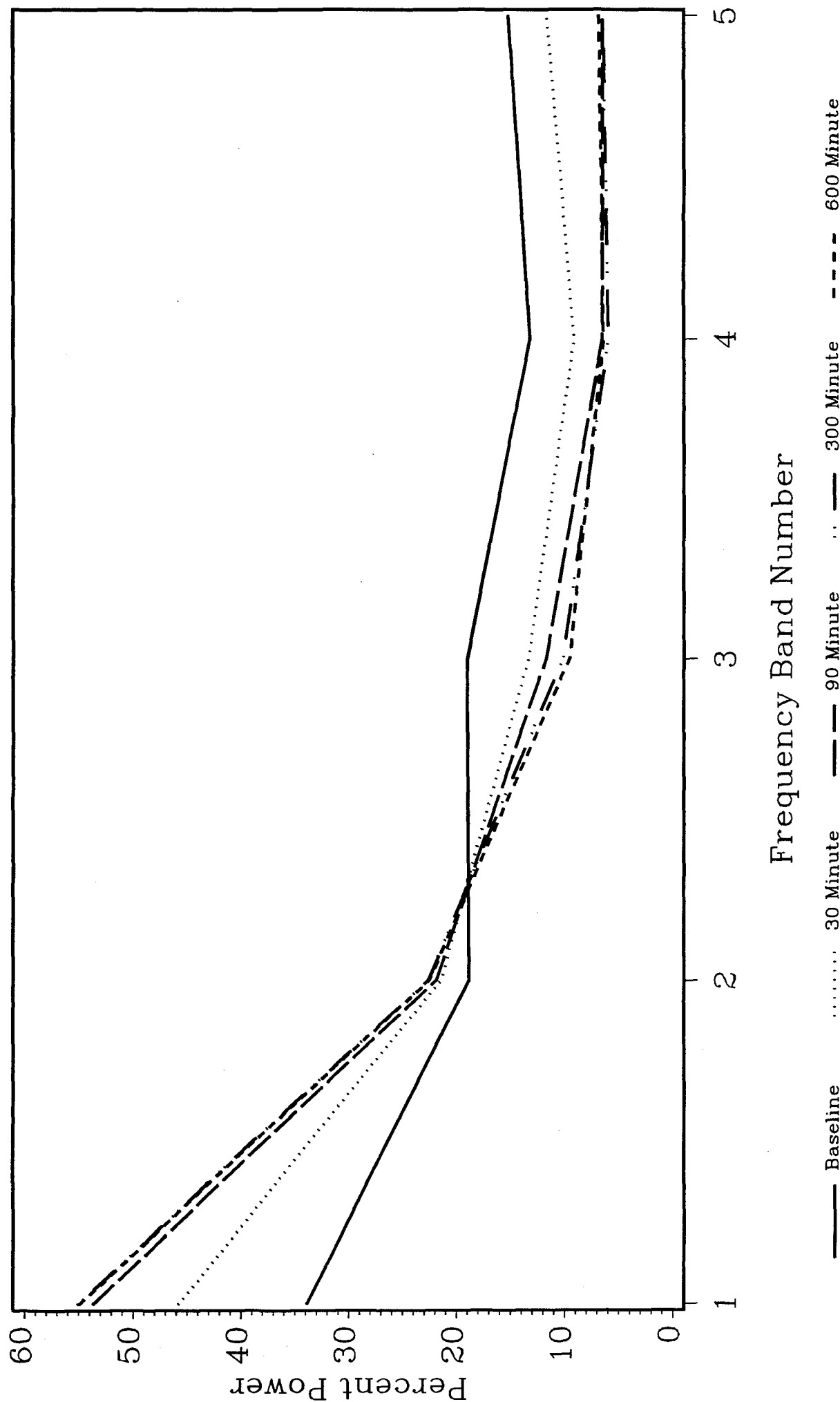


Spectral Re—Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine

Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

Animal ID=E109 Atropine Dose (mg/kg)=0.2 Channel=4

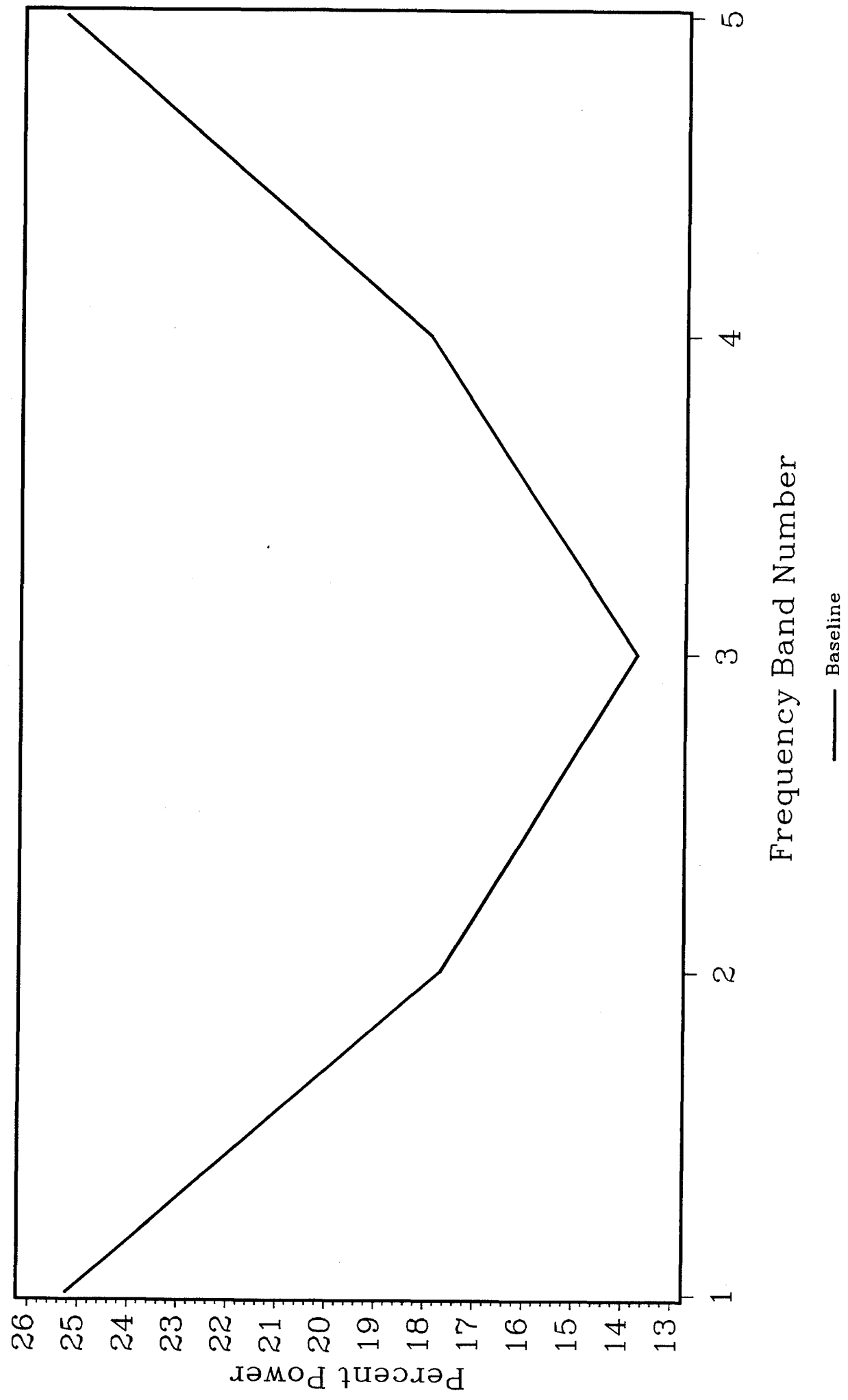


Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine

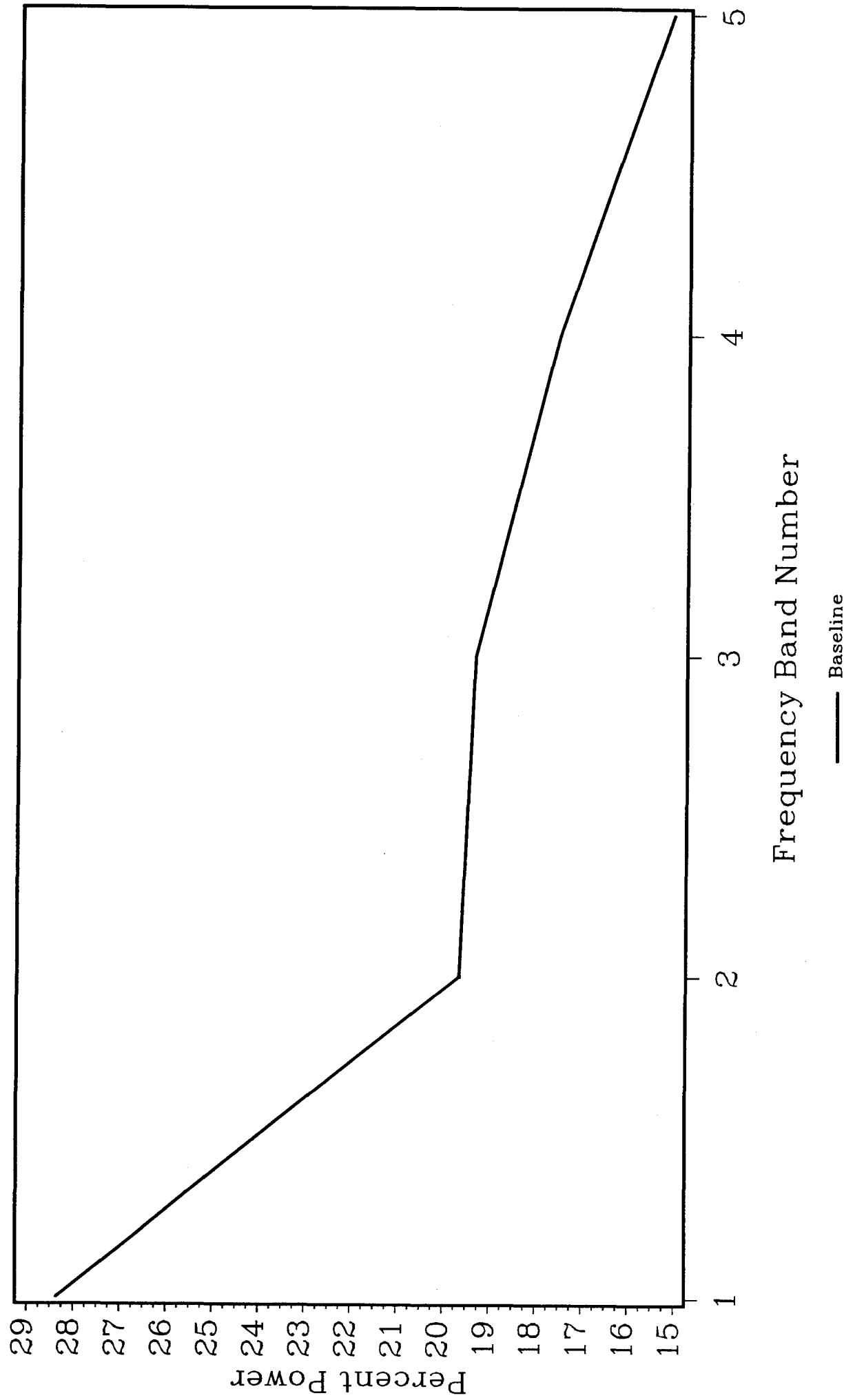
Task: 89-09

Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows

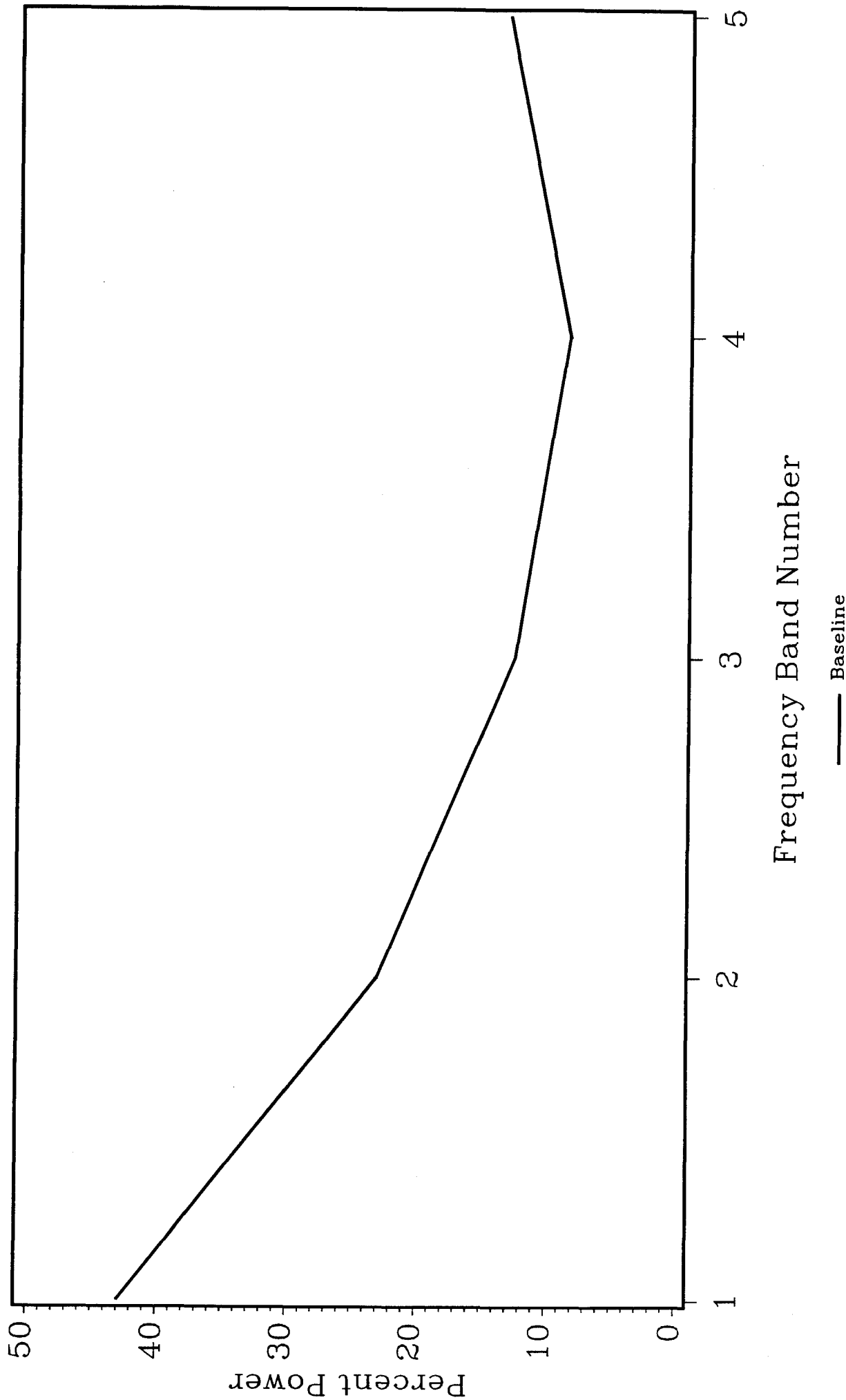
Animal ID=E109 Atropine Dose (mg/kg)=0.4 Channel=1



Spectral Re--Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89--09
Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows
Animal ID=E109 Atropine Dose (mg/kg)=0.4 Channel=2



Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
Task: 89-09
Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows
Animal ID=E109 Atropine Dose (mg/kg)=0.4 Channel=3



Spectral Re-Analysis of EEG Waveforms in Rhesus Monkeys Exposed to Atropine
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Plot of Percent Power vs Frequency Band Averaged Across All Sampling Windows
Animal ID=E109 Atropine Dose (mg/kg)=0.4 Channel=4

